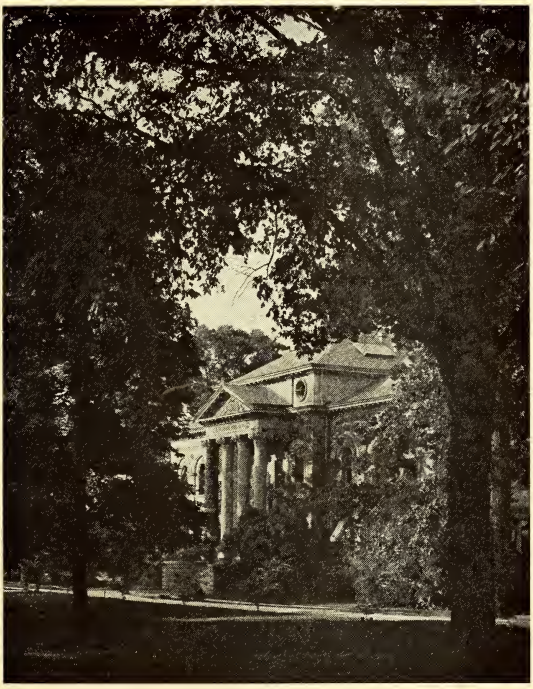
FEBRUARY 15, 1937 NUMBER 313

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912



ANNOUNCEMENT OF THE

SUMMER SESSION

AT CHAPEL HILL, N. C.

1937

First Term: June 10th-July 21st
Second Term: July 22nd-August 28th

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ANNOUNCEMENT OF THE

SUMMER SESSION

AT CHAPEL HILL, N. C.

1937

First Term: June 10th-July 21st
Second Term: July 22nd-August 28th

CALENDAR

First Term

June 10, *Thursday*—Registration Day. (Extra fee for late registration after today.)

June 11, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

June 12, *Saturday*—Regular classes in all departments.

June 14, *Monday*—Those registering today or Tuesday will be required to pay an extra fee of $5.00 for late registration.

June 15, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 20-21, *Tuesday and Wednesday*—Examinations.

Second Term

July 22, *Thursday*—Registration of new students. (Extra fee for late registration after today.)

July 23, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

July 24, *Saturday*—Regular classes in all departments.

July 26, *Monday*—Those registering today—or Tuesday—will be required to pay an extra fee of $5.00 for late registration.)

July 27, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 31, *Saturday*—Masters' theses may not be submitted after this date.

August 7, *Saturday*—Regular classes in all departments. Written examinations for the Masters' degree may not be taken after this date.

August 21, *Saturday*—Regular classes in all departments.

August 26, *Thursday*—Class instruction ends at 6:00.

August 27-28, *Friday and Saturday*—Final examinations.

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Edgar Wallace Knight, Ph.D., *Director of the Summer Sessions*
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Marion Rex Trabue, Ph.D., *Director of the Division of Education*

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George Kenneth Grant Henry, Ph.D., *Assistant Registrar*
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John Grover Beard, Ph.G., Ph.M., *Dean of the School of Pharmacy*
Dudley DeWitt Carroll, M.A., *Dean of the School of Commerce*
Susan Grey Akers, Ph.D., *Director of the School of Library Science*
Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean of the General College*

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ALLAN WILSON HOBBS, Ph.D.
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PHYSICAL EDUCATION FOR MEN

OLIVER KELLY CORNWELL, M.A., *Director*

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GLADYS ANGEL BEARD, M.A., *Director*

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EDWARD MCGOWAN HEDGPETH, A.B., M.D., *Assistant University Physician*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary*
EDWIN SIDNEY LANIER, *Self-Help Secretary*

GENERAL STATEMENT

In accordance with the plans that are being carried out in the consolidation of the Greater University of North Carolina, the Summer Sessions of the University at Chapel Hill, of the State College of Agriculture and Engineering at Raleigh, and of the Woman's College at Greensboro have been united into one organization. A Director for all three of the schools has been appointed. The Dean of Administration of each institution has charge of the administration. The work of the three divisions will be arranged according to function:

Regular college work of standard grade will be provided at each institution. Elementary Education will be the distinctive field of work at Greensboro; Agricultural, Vocational, and Technological training, at State College; and Undergraduate work (including Secondary Education) and Graduate work, the distinctive fields at the University at Chapel Hill.

Separate announcements are issued for each of the three divisions of the Consolidated Summer Schools.

From this point on—the General Information, Announcement of courses to be offered, and Special Features given in this Announcement are for the University Summer Session at Chapel Hill. Requests for the announcement of the Woman's College Summer Session should be addressed to Dr. W. C. Jackson, Dean of Administration, Greensboro, and requests for the announcement of State College Summer Session should be addressed to Professor W. L. Mayer, Director of Registration, State College Station, Raleigh.

STAFF OF INSTRUCTION

Members of the University's Regular Staff

JOSEPH EDISON ADAMS, PH.D. — BOTANY
Assistant Professor of Botany — First Term

SUSAN GREY AKERS, PH.D. — LIBRARY SCIENCE
Professor of Library Science and Director of the School of Library Science — Second Term

ENGLISH BAGBY, PH.D. — PSYCHOLOGY
Professor of Psychology — First Term

JAMES OSLER BAILEY, PH.D. — ENGLISH
Assistant Professor of English — First Term

ABRAM GUSTAVUS BAYROFF, PH.D. — PSYCHOLOGY
Instructor in Psychology — Both Terms

GLADYS ANGEL BEARD, M.A. — PHYSICAL EDUCATION
Director of Physical Education for Women — First Term

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Professor of Greek — First Term

EDWARD MORRIS BERNSTEIN, PH.D. — ECONOMICS
Associate Professor of Business Administration — Second Term

NORA BEUST, A.M. — LIBRARY SCIENCE
Associate Professor of Library Science — First Term

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Associate Professor of Spanish — Both Terms

JOHN MANNING BOOKER, PH.D. — ENGLISH
Professor of English — Second Term

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Associate Professor of Chemistry — First Term

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Associate Professor of Public Welfare — First Term

EDWARD TANKARD BROWNE, PH.D. — MATHEMATICS
Professor of Mathematics — Second Term

HENRY MATTHEW BURLAGE, PH.D. — PHARMACY
Professor of Pharmacy — First Term

DUDLEY DE WITT CARROLL, M.A. — ECONOMICS
Professor of Economics and Dean of the School of Commerce — First Term

JOHN ERWIN CARROLL, JR., A.M. — FRENCH
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FREDERIC EDWARD COENEN, PH.D. — GERMAN
Instructor in German — First Term

JAMES FILMORE COOK, A.B. — GERMAN
Teaching Fellow in German — First Term

OLIVER KELLY CORNWELL, M.A. — PHYSICAL EDUCATION
Professor of Physical Education and Director of Physical Education for Men — First Term

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Professor of Botany — First Term

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Acting Associate Professor of Economics — First Term

HARRY WOLVEN CRANE, PH.D. — PSYCHOLOGY
Professor of Psychology — First Term

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Associate Professor of Chemistry — First Term

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Instructor in Anatomy — Both Terms

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Kenan Professor of Psychology — Second Term

HARRY ELLERBE DAVIS, A.B. — Dramatic Art
Instructor in Dramatic Art and Assistant Director of the Carolina Playmakers — First Term

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Professor of Chemistry — First Term

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Professor in Library Science and Librarian — First Term

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Associate Professor of Chemistry — First Term

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KATHARINE JOCHER, PH.D. — PUBLIC WELFARE
Assistant Director and Research Associate in the Institute for Research in Social Science — Second Term

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Assistant Professor of Social Science — First Term

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Professor of Business Administration — First Term

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Head of the Catalog Department — First Term

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HERBERT RICHARD HAZELMAN, A.B. ..... MUSIC
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Associate Professor of English and Assistant Director of the Department of English, St. Louis University — First Term

ROZELLE PARKER JOHNSON, PH.D. ..... LATIN
Instructor in Classics, Brown University — Second Term

LEMUEL RAY JOHNSTON, PH.D. ..... EDUCATION
Principal Hawthorne High School, Hawthorne, New Jersey — Second Term

ERNST T. KRUEGER, PH.D. ..... SOCIOLOGY
Professor of Sociology, Vanderbilt University — First Term

ROSEMARY E. LIVSEY ..... LIBRARY SCIENCE
Department Librarian, Teachers and Childrens Department, Public Library, LosAngeles, California — Second Term

CATHERINE McANDREWS, A.B. ..... EDUCATION
Field Supervisor of the Good Teeth Council for Children — First Term

CHARLES TILFORD McCORMICK, A.B., LL.B., ... LAW
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ROBERT VALENTINE MERRILL, PH.D. ..... FRENCH
Associate Professor of French, University of Chicago — Second Term

ELIZABETH WILSON MITCHELL ..... MUSIC
Instrumental Teacher, Durham Public Schools, Durham, N. C. — First Term

J. HARRIS MITCHELL ..... MUSIC
Instrumental Supervisor, Durham Public Schools, Durham, N. C. — First Term

STUART GRAYSON NOBLE, PH.D. ..... EDUCATION
Professor of Education, Tulane University — First Term

CATHERINE J. PIERCE, A.B., M.S. ..... LIBRARY SCIENCE
Reference Librarian, Swarthmore College Library, — Second Term

JOSHUA PAUL REYNOLDS, PH.D. ..... ZOÖLOGY
Assistant Professor of Biology, Birmingham Southern College — First Term

LESLIE SPELMAN, A.M., B.Mus., F.A.G.O. ..... MUSIC
Director of Department of Music, Meredith College — First Term

JOSEPH JOHN SPENGLER, PH.D. ..... ECONOMICS
Associate Professor of Economics, Duke University — First Term

JOHN MARCELLUS STEADMAN, PH.D. ..... ENGLISH
Professor of English, Emory University — Second Term

RANDALL STEWART, PH.D. ..... ENGLISH
Professor of English, Vanderbilt University — First Term

WESLEY ALBA STURGES, PH.B., LL.B., J.D. ..... LAW
Professor of Law, Yale University — Second Term

GUY RICHARD VOWLES, PH.D. ..... GERMAN
Professor of German, Davidson College — Second Term

FRED ROY YODER, PH.D. ..... SOCIOLOGY
Professor of Sociology, The State College of Washington — Second Term

PART I—GENERAL INFORMATION

The Summer Session: June 10-August 28

The University Summer Session at Chapel Hill will open on Thursday, June 10, 1937, and continue for twelve weeks, closing on Saturday, August 28. The session will be divided into two terms of six weeks each. The first term will begin on Thursday, June 10, and close on Wednesday, July 21. The second term will begin on Thursday, July 22, and close on Saturday, August 28.

Registration

For the purpose of relieving the unpleasant congestion and delay inevitable in a short period of personal registration, all students other than those who wish to register in the Graduate School or the School of Law are given the option of registering in advance, either by mail or in person. Correspondence involving registration by mail must be initiated not later than May 20th. Registration in person is required thereafter. Registration blanks and instructions may be had upon application any time after the publication of this catalogue. Address the Associate Registrar, or call at Room 101 South Building. Students are urged to take advantage of this arrangement and avoid having to stand in line. At the same time they are urged to consider carefully what courses they wish to take, and to register correctly, so that later changes will not be necessary. Students who are in doubt about their courses should correspond at once with the instructors or the departments concerned.

The regular time for registration for the first term will be Thursday, June 10. All students of the Summer Session should be present and register on that day, as the regular class work will begin promptly at 8:00 on Friday morning, June 11. Moreover, there is an extra fee for delayed registration. For those registering June 11 or 12, the extra fee is $2.50. For those registering June 14 or 15, the extra fee is $5.00. Registration for credit will not be permitted in the first term after 5:00 o'clock Tuesday, June 15, nor in the second term after 5:00 o'clock Tuesday, July 27, except by executive permission. See Calendar.

Admission. Those may enter who meet the University's requirements for admission as set up in the regular catalogue. All women students wishing to enter the Summer Session must submit satisfactory evidence of having been in attendance at a standard college or university for a period of at least two academic years, or of having secured a credit minimum (by college or university attendance and/or correspondence and extension study) of sixty semester or ninety quarter hours.

Evidence qualifying one for admission to the Summer Session must be submitted to the Dean of Admissions, or his representative, for examination and approval before formal registration is undertaken. A certified statement, covering eligibility as set forth above, suffices. A detailed transcript of record likewise suffices, if it covers eligibility as set forth above.

Divisions of the Summer Session. The College Division (undergraduates), the Graduate School, and the Schools of Law, Pharmacy, and Library Science.

Credits. Three courses meeting five or six hours a week constitute a student's normal load in the summer session. A student in the Undergraduate Division may carry four courses, provided he has the approval of the Dean of the School in which he is registered. All courses carry degree credit in one or more schools of the University. The Summer Session course meeting five or six hours a week for six weeks carries a credit of 2½ or 3 quarter hours respectively or 1 2/3 or 2 semester hours respectively. (For certificate credit in North Carolina each such course carries credit for two semester hours; one meeting ten or twelve hours a week, four semester hours.)

Attendance. Absences are counted from the first meeting of each course. No unexcused absences are permitted in the Summer Session.

Standard of Work

The standard of work in courses given for University credit will be in all respects that of the corresponding courses as given during the regular session, as these courses are an integral part of the work of the University. It is the hope of the University that, by giving such courses, increased service may be rendered to the growing body of teachers in the state who have already completed college courses or done some work of college grade and who now desire while in service to improve themselves along both professional and cultural lines.

Courses of freshman and sophomore grade will not be credited as graduate work. Courses of junior and senior grade if numbered above 100 in the statement of courses (see Part II of this announcement), may be given such credit as is indicated in the regulations below. Definite information about the different credit that certain courses carry can be obtained at the time of registration.

Term Reports and Grades

After the close of each term reports of the standing of all students in all their studies are sent to the student. Records of all students desiring professional credits with the State Department of Education will be sent to that department immediately after the close of each term *provided record cards, furnished for this purpose, have been*

carefully filled out by such students and left in charge of the Associate Registrar. The reports are based upon the following system of marking:

Grade A, Excellent
Grade B, Good
Grade C, Fair
Grade D, Barely passed
Grade F, Failed
*Grade I, Work incomplete

A student must attain a grade of D to pass in any study. Students receiving grade F must repeat the study to receive any credit for the same.

Grades for each graduate course completed are reported to the Dean and to the Registrar. These grades are as follows:

"Passed," which represents satisfactory work.

"Failed," which represents work that is unsatisfactory for graduate credit.

No work falling below the standard represented by the grade of "Passed" is counted for graduate credit. If, in the judgment of the Graduate School, the quality of the work done by any student falls below the standard expected of graduate students, the registration of such a student will be canceled.

Degrees: When Conferred

Degrees are conferred at the annual commencement in June and at the close of the second term of the Summer Session. Degrees conferred at the close of the Summer Session are awarded without academic ceremony.

Admission to Undergraduate Courses

Applicants for admission to courses of freshman grade must satisfy the requirements for entrance as laid down in the University catalogue. These requirements comprise a total of 15 units selected from the subjects of English, foreign languages (ancient and modern), history, mathematics, science, and vocational subjects. For details the applicant is referred to the University catalogue.

Applicants for courses of advanced grade must furnish evidence of work of college grade completed at this or another institution.* Such evidence must consist of the official statement from the institution where the work was done, showing definitely the courses pursued

* The grade I indicates a deficiency in a certain portion of the work of a course. It may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes grade F.

* Advanced students not seeking credit in this institution are not required to submit transcripts of their former records.

and the amount of credit recorded. Admission to specific courses will be determined in each case by the department on the basis of previous preparation.

Application for admission to undergraduate courses should be sent in advance to the Dean of Admissions. This application should be accompanied by certificates of preparation, or official statements from other institutions that the applicant has attended, and a list of the courses the applicant desires to pursue. Blanks for this purpose will be furnished on request.

The Graduate School

The Summer Session offers excellent opportunities for carrying on advanced work in many fields of learning. Graduates of standard colleges are admitted to the Graduate School during the summer term on precisely the same basis as in the regular session. Such students may become candidates for advanced degrees or may register as special students in such courses as they desire.

Students who wish to pursue in the Summer Session courses leading to the Master's degree should bring with them when they register a transcript of their college credits. In case the student has not had sufficient training to enable him to pursue strictly graduate courses, provision may be made in the Summer Session for the making up of such deficiency.

The Graduate School and the Departments have instituted a plan of curricular reorganization. Courses will be offered in cycles, following a sequence of three years. This plan, it is thought, will facilitate securing by the student logical and evenly balanced programs of study.

No student may receive credit during any one summer quarter for more than three courses in the Graduate School.

1. *Admission.* Holders of degrees from standard colleges are admitted without examination upon presentation of their credentials. *It will save time at registration if these credentials are submitted in advance of the opening of the Summer Session.*

Admission to the Graduate School is not the same as admission to candidacy for a higher degree. For admission to candidacy for a degree a student must have been in residence in the Graduate School for one quarter or two summer terms. Action on each case is postponed until the student has progressed sufficiently to make possible the planning of his course. This does not imply any increase in the length of time necessary for the attainment of the degree. It means simply that the individual record of each student, undergraduate as well as graduate, is taken into account in determining what must be done in order to secure the degree.

2. *Regulations as to Courses.* While graduate students may register for any of the courses offered by the Summer Session Faculty, no

courses will count for credit towards an advanced degree unless they are classified as graduate courses in this bulletin or in the Catalogue of the Graduate School. These courses must be selected in accordance with the rules for major and minor subjects set forth in the Catalogue of the Graduate School. In general, this means that two-thirds of a candidate's work during his entire period of residence (three summers being the usual time required) must be from one department, the remaining one-third being from a closely allied minor department.

3. *Requirements for the Master's degree.* For a detailed statement of the requirements for the degrees of Master of Arts and Master of Science, the student is referred to the catalogue of the Graduate School. These rules are the same in their application to Summer Session students as in the case of students registered for the regular sessions. Students may continue their studies during the year under the direction of the special committee in charge of their work, and may do part of the work required for their theses in this manner. In certain approved cases, also, credit not to exceed six semester hours (or nine quarter hours) may be transferred for work done in another university. Every such case is treated individually and must be approved by the Administrative Board of the Graduate School, on recommendation of the department of major study, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find three full summer quarters necessary for the completion of the requirements for the Master's degree.

Work taken more than five years before the date at which the master's degree is expected may not be used to count for credit toward that degree.

A reading knowledge of at least one modern foreign language is required of candidates for the master's degree. This knowledge will be tested by a special examination given by the language department, and must be certified to before the student is admitted to candidacy for the degree.

The thesis must be written in accordance with provisions stated in the Graduate Catalogue. It may count not to exceed one course. This thesis may be handed in, and the final oral and written examinations may be taken by special arrangement during the year. (See scheduled dates on the calendar.) The Master's degree is conferred at Commencement in June and at the end of the second term of the Summer Session.

4. *Requirements for the Doctor's Degree.* Prospective candidates for the degree of Doctor of Philosophy are referred to the Catalogue of the Graduate School for a detailed statement of the requirements for the degree. For purposes of convenience a summary of these requirements is presented here:

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least twenty semester hours (or thirty quarter hours) in a minor.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

5. *Further Information.* All students who propose to do work leading to an advanced degree should read carefully the catalogue of the Graduate School, which will be sent on application to the Dean of the Graduate School.

Reports and Professional Credits

At the close of each term regular examinations will be held, and reports will be made. These reports state definitely the courses pursued and the grades attained.

Records of all students desiring professional credit with the State Department of Education will be sent to the Director of Certification immediately after the close of each term of the Summer Session, *provided record cards, furnished for this purpose by the State Department of Education, have been carefully filled out by such students and turned in to the office of the Associate Registrar.*

A Statement on Certification of Teachers from the North Carolina Department of Public Instruction

The State Department of Public Instruction is anxious to administer in a most effective way all certificate problems growing out of summer school attendance. The enterprise, however, is a coöperative one, involving the individual teacher, the institution conducting the summer school, and the State Department of Public Instruction. Looking toward a most satisfactory administration of these problems, the following general observations are made:

1. All teachers should fill out the back of the summer school card, giving the exact name which the certificate carries, the kind of certificate held, the serial number, et cetera. A teacher's registration should not be considered complete without this information.
2. Teachers who are expecting a change in their certificate for 1937-38 as a result of their summer school work, should wait for four weeks before making any inquiry of the State Department of Public Instruction. Last year about 11,000 summer school records were handled. It should be reasonable to assume a month's time would be required for handling these records and issuing the certificates growing therefrom.

3. Teachers who are expecting their certificates to be raised as a result of summer school attendance should not send their old certificates to the State Department of Public Instruction. This is not necessary for the issuance of the new certificate.
4. Teachers should not send to the State Department of Public Instruction their personal reports of summer school work. The report must come direct from the institution, and will be sent by the institution if the teacher has properly registered.
5. Institutions should send the reports to the State Department of Public Instruction as promptly as possible after the close of the summer school. At present there is considerable variation among the institutions in their practice with reference to this point.

Placement Bureau

It will be the purpose of the Department of Education to maintain a highly professional placement service for the benefit of teachers and school officials. While the Bureau cannot guarantee placement, it will strive to become a means of bringing the teacher and employment official together. The officials of the Bureau desire to establish a record for prompt, honest, and constructive service, and to that end will strive to give personal attention to all requests. Every effort will be made to avoid general recommendations.

The Library

The University Library has occupied its new building since July, 1929. It now contains more than 330,000 volumes and 3,461 periodicals are regularly received. The building houses, aside from the general collection and reading rooms, the Rural Social-Economics Library, Commerce Reading Room, and the Library School. A special room is devoted to North Carolina history. A separate room is provided for the use of students doing collateral reading in material reserved for their convenience by University instructors. One hundred study carrels are provided with the bookstacks for graduate students and faculty, to which assignment is made on application.

Graham Memorial Building

Graham Memorial Building will be open to Summer Session students for social and recreational purposes.

The Gymnasium

During the Summer Session the Gymnasium will be used for the classes in physical education and for social activities conducted under the auspices of the Y. W.-Y. M. C. A.

The Infirmary

During the Summer Session the University Infirmary will be open for the convenience of the students in attendance. The Infirmary will be under the direction of the University Physicians and a Registered Nurse, who with an assistant will be constantly in attendance. There will be no extra charge for the services of the physicians or of the nurse, except in cases of prolonged and serious illness necessitating a special nurse. The Summer Session Physicians will be at the Infirmary two periods a day for consultation and advice. At these hours students of the Summer Session will be given the opportunity to consult the physician about any matters pertaining to their health.

Housing and Rooming Bureau

The "Y" office keeps accurate information on available houses, apartments, and rooms for rent in Chapel Hill. Summer students and faculty are invited to make use of this service.

Schedule

In the Summer Session schedule the day is divided into periods as follows:

Morning Hours

First Period	8:00 to 9:00
Second Period	9:00 to 10:00
Third Period	10:00 to 11:00
Fourth Period	11:00 to 12:00
Fifth Period	12:00 to 1:00

Afternoon Hours

First Period	2:00 to 3:00
Second Period	3:00 to 4:00
Third Period	4:00 to 5:00
Fourth Period	5:00 to 6:00

Hours and rooms for the meetings of classes are shown in the descriptions of the various courses in this catalogue.

Vesper Service

The University Summer Session recognizes the daily vesper service as the official devotional period for the campus. Vesper service will be held immediately following supper each evening, except Saturday and Sunday, on the lawn under Davie poplar, or in Memorial Hall in case of rain. This service will be of fifteen minutes length, and will consist of songs, scripture reading, and prayer. Attendance is voluntary. There will be no chapel service apart from the vesper service.

Recreation and Entertainment

In addition to the regular courses of instruction scheduled in the various departments, there will be some form of recreation and enter-

tainment provided each week during the Summer Session. Excellent opportunities are available for those students and faculty members who wish to play golf. In addition to the 9-hole course of the Chapel Hill Country Club, 18-hole courses are available at the Hope Valley Country Club (six miles away) and at the Hillandale Club in West Durham (ten miles away).

Expenses for Each Term of Six Weeks

Fees

The registration fee for each student for each term of six weeks (including privilege of University Library, Infirmary, and Graham Memorial) is $13.50. The course fee for each quarter-hour credit a term (six weeks) is $2.25. The average number of quarter-hour credits taken by each student is about eight, making the course fees about $18.00 a term of six weeks; but these programs with their courses vary according to the desires and needs of individual students. A laundry deposit of $6.00 is required against which a charge is made for work done. If the amount of work done is less than the deposit, the balance is refunded, except that a minimum average charge of twenty-five cents a week will be made.

Rooms

The following University Residence Halls have been set aside for summer session usage. The amount shown is the charge for each occupant for a term of six weeks, except that in Graham the charge is for the room for a term.

Women:				
Graduate Women's Club,	Single	$22.50	Double	$15.00
Spencer Hall,	Single	22.50	Double	15.00
Old East, Old West, Grimes, Manly, Steele,	Single	15.00	Double	7.50
Men:				
Graduate Men's Club, (Smith),	Single	22.50	Double	15.00
Carr (preference given Law students),	Double	15.00	Triple	12.75
Battle-Vance-Pettigrew, Lewis,	Single	15.00	Double	7.50
Married Couples: Graham,			Each room	15.00

(Other residence halls will be opened as required.)

During the past few months all residence halls have been painted and floors refinished. Bath rooms have all been renovated and additional mirrors and lavatories have been installed. All rooms are screened.

Board

The University Dining Hall Cafeteria was completed in September, 1936. It is attractive and cool. The cafeteria equipment (two line

counter) is of the latest type and so arranged and serviced that unnecessary delay is avoided. A large variety of excellent food is always available.

Coupon books of Cafeteria tickets may be purchased for $5.00. It is possible for one to eat three well-balanced meals a day at a cost ranging from $18.00 to $25.00 per month. The average breakfast is about 15c and lunch and supper average 25c each. These extremely reasonable prices are possible because the cafeteria is operated by the University on a non-profit basis.

Hours: Breakfast, 7:00—9:00 a.m. Lunch, 11:30 a.m.—2:00 p.m.
Supper, 5:00—7:00 p.m.

Spencer Hall will furnish board to its occupants for $35.00 each term. Residents of this hall are required to board in the hall. A limited number of additional guests may be served by making application to Mrs. Irene Lee, Spencer Hall Hostess, Chapel Hill, N. C.

Resume of Minimum Expense for Term of Six Weeks

Registration fee	$13.50
Course fee (8 quarter-hours credit)	18.00
Laundry Deposit	6.00
Room Rent	7.50
Board ($20.00 month, estimate)	30.00
Books	6.00
	$81.00

Such expenses as travel, recreation, incidentals, can best be estimated by each individual student. Laboratory fees in those courses requiring laboratory work are stated in the course list and must be paid in addition to the usual course fee charge.

Reservations Must Be Made in Advance

Students desiring rooms in the University buildings must have their reservations made in advance, or the management cannot guarantee them accommodations. Each application must be accompanied by a check covering room rent in full for one term of six weeks. Applications should be addressed to the Cashier, Box 150, Chapel Hill, N. C., and should be made prior to June 1st, in order that applicants may be notified before leaving home whether or not their reservations have been made as requested.

Payment of Fees

Registration, course fees, and laundry deposit are due and payable at the time of registration.

Books and Materials

Books, materials, and stationery supplies may be secured from the University Book Exchange at the usual market prices. All books re-

quired for courses offered in the Summer Session are carried in stock by the Book Exchange.

Regulations Concerning Women Students

All women students of the Summer Session under 24 years of age, except residents of the Chapel Hill community who live at home, are required to live in the University residence halls.

Each of the women's residence halls will be in charge of a capable hostess who will see that the University's regulations regarding the health, comfort, and safety of the students are carried out, and who will always be ready to give the women students such advice and assistance as they may need.

What the Student Must Furnish

Residence hall rooms are substantially furnished. Each occupant is requested to bring a pillow, two pillow cases, four sheets (for single bed), 2 spreads, and six towels. More complete furnishings such as bureau scarfs, rugs, curtains, pictures, etc., may be brought if the student so desires.

Refund of Fees

Room reservation deposit for the first term may be refunded not later than June 1, and for the second term not later than July 12.

In case of withdrawal from the Summer Session, a flat fee of $5.00 will be charged to cover registration expense, and the remainder of the amount paid by the student at registration will be refunded on a pro-rata basis over a period of four weeks from date of registration. No refund will be made after the fourth week of any term. Refund of any unused part of laundry deposit will be made.

Location of University

The University is situated at Chapel Hill, twelve miles from Durham, thirty miles from Raleigh, and fifty miles from Greensboro. It may be reached by one of the bus lines which maintain frequent schedules from these three points. *Students are warned not to buy their tickets to the University Station, which is ten miles or more from the University, inasmuch as passenger service from that point has been discontinued.*

Loan Funds

The Summer Session Loan Fund. Established for the use of teachers who are legal residents of North Carolina and who teach in the public schools of this state.

The Student Summer Loan Fund. A limited sum of money set aside for students who are enrolled in the regular sessions of the University and whose educational programs make it necessary for them to attend the summer sessions.

Information concerning these funds may be secured by writing the Loan Fund Manager, Box 150, Chapel Hill, N. C.

PART II—COURSES OFFERED

This catalogue is issued for the convenience of patrons of the Summer Session as early in the year as possible. Consequently, announcements of particular courses and instructors are not absolutely final. Furthermore, substitutions of courses may be necessary in the interest of students themselves, and, therefore, changes in the details of this catalogue may be announced later.

ARCHAEOLOGY

s91. GENERAL ARCHAEOLOGY. See Comparative Literature and Archaeology s91.

s101e. GREEK ARCHAEOLOGY (OR ART). See Comparative Literature and Archaeology s101e.

ASTRONOMY

s41. GENERAL ASTRONOMY. See Physics s41.

ART

See Special Features, page 69.

BOTANY

Courses for Undergraduates

s41. GENERAL BOTANY. Credit, 6 quarter hours.

First term. Professors Couch and Adams. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 T., Th., F.; Laboratory, 3:00-5:00 M., T., W., Th. Davie Hall.

An introduction to the structure and classification of plants.

s43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 6 quarter hours. Prerequisite, General Botany.

Second term. Professor Totten and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 F.; Laboratory, 2:00-5:00 M., T., W., Th. Davie Hall.

A continuation of General Botany with more advanced work in the structure and classification of seed plants. Special attention is given to the study of local flora.

Courses for Graduates and Advanced Undergraduates

s103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. Credit, 5 or 2½ quarter hours. Prerequisite, General Botany.

First term. Professor Couch. Laboratory fee, $4.00. (This subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition).

s114. MORPHOLOGY AND DEVELOPMENT OF THE FUNGI. Credit, 5 quarter hours. Prerequisite, General Botany.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the classification of mushrooms.

s155. DENDROLOGY. Credit, 5 quarter hours. Prerequisite, General Botany and Botany s43 or the equivalent.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

A toxonomic study of the woody plants of the southeastern states, with extensive field work. The woody regions about Chapel Hill, the Arboretum, the Soil Erosion Nursery, the Botanical Library and the Herbarium afford excellent opportunities for the collection and identification of the woody plants.

s157. PLANT ANATOMY. Credit, 5 quarter hours. Prerequisite, General Botany and Botany s43, or the equivalent.

First term. Professor Adams. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

Introduction to the anatomy of seed plants; practice in microtechnique.

Courses for Graduates

s254. MORPHOLOGY OF SEED PLANTS. Credit, 5 or 2½ quarter hours. Prerequisite, Plant Anatomy.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged. Davie Hall.

Advanced work in embryology and anatomy of seed plants.

s304. GRADUATE RESEARCH. Credit, 5 or 2½ quarter hours.

Each term. Professors Coker, Totten, or Couch. Laboratory fee, $4.00 a term. Hours: to be arranged. Davie Hall.

Original work with thesis under the guidance of the instructor.

CHEMISTRY

Courses for Undergraduates

s4. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Edmister. Laboratory fee, $4.50. Hours: Lectures, 10:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Venable 302.

s5. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Smith. Laboratory fee, $4.50. Hours: Lectures, 10:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Venable 302.

s31. QUALITATIVE ANALYSIS. Credit, 6 quarter hours.

First term. Professor Dobbins. Laboratory fee, $10.00. Hours: Lectures, 2:00 daily; Laboratory, 3:00 to 6:00 daily. Venable 206. Prerequisites, Chemistry 1-2-3 or 4-5.

s41. QUANTITATIVE ANALYSIS. GRAVIMETRIC. Credit, 6 quarter hours.

Second term. Professor Smith. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily; Laboratory, 2:00 to 5:00 daily. Venable 206. Prerequisite, Chemistry 31.

s42. QUANTITATIVE ANALYSIS. VOLUMETRIC. Credit, 6 quarter hours.

First term. Professor Dobbins. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily; Laboratory, 2:00 to 5:00 daily. Venable 206. Prerequisite, Chemistry 31.

s61. ORGANIC CHEMISTRY. ALIPHATIC SERIES. Credit, 6 quarter hours,

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Venable 206. Prerequisite, Chemistry 31.

Courses for Graduates and Advanced Undergraduates

s143. THEORETICAL ANALYTICAL CHEMISTRY. Credit, 5 quarter hours.

Second term. Professor Markham. Hours: Lectures, 10:00 to 12:00 daily. Venable 201. Prerequisite, Chemistry 31 and 42.

s162. ORGANIC CHEMISTRY. AROMATIC SERIES. Credit, 6 quarter hours.

Second term. Professor Mack. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays); Laboratory, 10:00 to 12:00 daily (including Saturdays). Venable 206. Prerequisite, Chemistry 61.

s166. QUALITATIVE ORGANIC ANALYSIS. Credit, 6 quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 11:00 daily (including Saturdays); Laboratory, 8:00 to 10:00 daily (including Saturdays). Venable 206. Prerequisites, Chemistry 61, 162, 163.

s171. FOOD CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Mack. Laboratory fee, $10.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 4:00 daily (including Saturdays). Venable 302. Prerequisites, Chemistry 42 and 61.

s181. PHYSICAL CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Crockford. Laboratory fee, $7.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 6:00 M., W., F. Venable 201.

s182. PHYSICAL CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Markham. Laboratory fee, $7.00. Hours: Lectures, 8:00 daily; Laboratory, 2:00 to 6:00 M., W., F. Venable 201.

Courses for Graduates

s241. SEMINAR IN ANALYTICAL CHEMISTRY. Credit, 3 quarter hours.

Second term. Professor Markham. Hours: by arrangement. Prerequisite, Chemistry 31 and 42.

s251. HISTORY OF CHEMISTRY. Credit, 2½ quarter hours.
First term. Professor Edmister. Hours: by arrangement.

s281. THERMODYNAMICS. Credit, 3 quarter hours.
First term. Professor Crockford. Hours: by arrangement.

s341. RESEARCH IN ANALYTICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Dobbins. Second term: Professor Markham. Laboratory fee, $10.00. Hours: by arrangement.

s351. RESEARCH IN INORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Edmister. Second term: Professor Smith. Laboratory fee, $10.00. Hours: by arrangement.

s361. RESEARCH IN ORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Bost. Second term: Professor Mack.

s381. RESEARCH IN PHYSICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term: Professor Crockford. Second term: Professor Mack.

COMPARATIVE LITERATURE AND ARCHAEOLOGY

Courses for Undergraduates

s61. GREEK LITERATURE. Credit, 2½ quarter hours.

First term. Professor Bernard. Hour: 12:00 daily. Murphey 109.

A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought.

s91a. GENERAL ARCHAEOLOGY. Credit, 2½ quarter hours.

Second term. Professor Harland. Hour: 10:00 daily. Murphey 109.

An introductory course in which the art and architecture of Egypt, Mesopotamia, and Greece will be studied. Illustrated lectures on the monuments will be supplemented by lectures on the history and civilization of the Egyptians, Sumarians, Babylonians, Assyrians, Persians, Hittites, Aegean peoples, and the Greeks. Discussions and required readings.

Courses for Graduates and Advanced Undergraduates

s101e. GREEK ARCHAEOLOGY (OR ART). (Same as History s101e.) Credit, 2½ quarter hours.

Second term. Professor Harland. Hour: 9:00 daily. Murphey 109.

The historical development of the Art of Greece will be studied and presented as one phase of the civilization of the ancient Greeks. In a sense, the course will be an archaeological commentary on Greek history.

s155. GREEK DRAMATIC LITERATURE. Credit, 5 quarter hours.

First term. Professor Bernard. Hours: 9:00 and 11:00 daily. Murphey 109.

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress.

s185. ARCHAEOLOGY AND THE BIBLE. Credit, 2½ quarter hours.

Second term. Professor Harland. Hour: 12:00 daily. Murphey 109.

The results of the recent excavations in Palestine will be studied for the light they throw on Biblical history and, with the help of the monuments found in Egypt, Babylonia, and Assyria, the part played by the ancient Hebrews will be placed in its historical setting in the ancient Near East.

DRAMATIC ART

Courses for Undergraduates

s47. HAND PUPPETRY. See Education s47.

s67a. PLAY PRODUCTION FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Mr. Davis. Fee for materials: $1.00. Hour: 2:00 daily. Theatre.

An intensive course for teachers and directors in schools, colleges, and community theatres. The problems to be considered include the organization

of dramatic groups and courses, the choice of plays, and the theory and practice of acting and directing. Students enrolled in this course will have an opportunity to take part in the preparation of the Carolina Playmakers' summer production.

s68a. STAGING METHODS FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Mr. Davis. Fee for materials: $2.00. Hour: 11:00 daily. Theatre.

An intensive course in the planning and equipping of school, college, and community theatre stages, and in the designing, constructing, painting, and lighting of scenery. Students enrolled in this course will be expected to assist with the preparation of the Carolina Playmakers' summer production.

Course for Graduates and Advanced Undergraduates

s155. PLAYWRITING. Credit, 5 quarter hours.

First term. Professor Koch. Hours: 9:00 to 11:00 daily. Theatre.

A practical course in playwriting. The principles underlying dramatic form, and practice in writing one-act plays. Emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. Students enrolled in this course will have an opportunity to take part in the preparation of the Carolina Playmakers' summer production.

ECONOMICS AND COMMERCE

Commerce

Courses for Undergraduates

s51. BUSINESS ORGANIZATION. Credit, 5 quarter hours.

First term. Professor Schwenning. Hours: 9:00 and 11:00 daily. Bingham 108.

The forms of business organization with emphasis on the corporation.

s71. PRINCIPLES OF ACCOUNTING. Credit, 6 quarter hours.

First term. Professor Sherrill. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays). Bingham 303.

Lectures with laboratory work. Study of the theory of debit and credit record making, organization of accounts, and presentation of financial and profit and loss statements.

s72. PRINCIPLES OF ACCOUNTING. (Continued.) Credit, 6 quarter hours.

Second term. Professor Peacock. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays). Bingham 303.

Lectures with laboratory work. It consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, constructing and analysis of accounting statements.

Course for Graduates

s207. FUNDAMENTALS OF MANAGEMENT. Credit, 2½ quarter hours.

First term. Professor Schwenning. Hours: to be arranged.

Economics

Courses for Undergraduates

s31. GENERAL ECONOMICS. Credit, 5 quarter hours, if followed by Economics s32 or 32.

First term. Professor Winslow. Hours: 8:00 and 12:00 daily. Bingham 208.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it.

s32. GENERAL ECONOMICS. (Continued.) Credit, 5 quarter hours.

Second term. Professor Heath. Hours: 8:00 and 12:00 daily. Bingham 208. This is a continuation of Economics s31.

s81. MONEY. Credit, 5 quarter hours, if followed by Economics s82 or 82.

First term. Professor Brown. Hours: 8:00 and 10:00 daily. Bingham 108.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems.

s82. BANKING. Credit, 5 quarter hours.

Second term. Professor Woosley. Hours: 8:00 and 10:00 daily. Bingham 216.

This course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States.

Courses for Graduates and Advanced Undergraduates

s124. PRINCIPLES OF MARKETING. Credit, 5 quarter hours.

Second term. Professor Taylor. Hours: 9:00 and 11:00 daily. Bingham 317.

A critical study of marketing organization and operation. Emphasis is placed on recent developments in retailing.

s131. ECONOMIC THEORY. Credit, 5 quarter hours.

First term. Professor Spruill. Hours: 8:00 and 10:00 daily. Bingham 106.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems.

s141. PUBLIC FINANCE. Credit, 5 quarter hours.

First term. Professor Heer. Hours: 9:00 and 11:00 daily. Bingham 102.

A general study of government business covering the principles involved in public revenues and expenditures—local, state and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems.

s170. ECONOMIC STATISTICS. Credit, 5 quarter hours.

First term. Professor Cowden. Laboratory fee, $1.00. Hours: 2:00 to 5:00 daily. Bingham 201.

This course is designed to give a critical understanding of the more important processes of statistical technique used by economics and business men, and found in current discussions of economic matters. The laboratory work is designed to give practice in the use of the processes studied together with an interpretation of the results found.

s185. BUSINESS CYCLES. Credit, 5 quarter hours.

Second term. Professor Bernstein. Hours: 9:00 and 11:00 daily. Bingham 106.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production.

s191. AN INTRODUCTION TO THE LABOR PROBLEM. Credit, 5 quarter hours.

Second term. Dr. Douty. Hours: 8:00 and 10:00 daily. Bingham 102.

The purpose of this course is to make an analytical survey of the modern labor problem in its major aspects.

s195. THEORIES OF ECONOMIC REFORM. Credit, 5 quarter hours.

First term. Professor Carroll. Hours: 9:00 and 11:00 daily. Bingham 106.

A critical analysis of the leading proposals for reform in the present economic system.

s196. POPULATION AND STANDARDS OF LIVING. Credit, 5 quarter hours.

First term. Professor Spengler. Hours: 8:00 and 10:00 daily. Bingham 205.

An analysis of population trends, distribution and theories. Relation of population trends to standards of living and their influence on wage rates.

s197. GOVERNMENT AND BUSINESS. Credit, 5 quarter hours.

Second term. Professor Hobbs. Hours: 9:00 and 11:00 daily. Bingham 216.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities and the operation of the federal anti-trust laws.

Courses for Graduates

s224. THE ECONOMICS OF MARKETING. Credit, 2½ quarter hours.

Second term. Professor Taylor. Hours to be arranged. Bingham 305.

This course will develop the economic principles underlying marketing and show the inter-relations of the various marketing activities. Selected topics will be discussed critically.

s241. HISTORY OF FISCAL DOCTRINES. Credit, 2½ quarter hours.

First term. Professor Heer. Hours: to be arranged. Bingham 100.

Theories of distributive justice in taxation; the incidence and economic effect of taxation; and the use of taxation as an instrument of social control. A review of the ideas of representative writers from the eighteenth century to the present time.

s296. RESEARCH IN SOUTHERN POPULATION PROBLEMS. Credit, 2½ quarter hours.

First term. Professor Spengler. Hours to be arranged. Bingham 113.

Special studies of Southern population trends, etc.

s351. TYPES OF ECONOMIC THEORY. Credit, 2½ quarter hours.

Second term. Professor Heath. Hours to be arranged.

This course undertakes a comparative survey of such types—sometimes referred to as "schools"—of economics as the classical, historical, psychological, mathematical, institutional, and statistical. Considerable attention will be given to the literature of economic theory.

s382. SEMINAR IN PRIVATE FINANCE. Credit, 2½ quarter hours.

Second term. Professor Woosley. Hours to be arranged. Bingham 214.

The scope of this course will depend on the interest and preparation of the student, but an opportunity will be given for a more advanced study of commercial banking, central banking policies, and the forces operating in the money and capital markets.

EDUCATION

Courses for Undergraduates

s47. HAND PUPPETRY. Certification credit only—3 semester hours.

First term. Miss McAndrews. Laboratory fee, $3.00. Hours: Two laboratory hours daily to be arranged.

A practical course in hand puppetry. Hand puppets as tools in health education and in classroom and community projects. The course will be shaped as far as possible by the individual problems of the students. The class will make simple hand puppets, learn to manipulate them, construct a small portable theatre, and write puppet plays. Methods which young school children can follow will be included.

s71. EDUCATIONAL PSYCHOLOGY. Credit, 5 quarter hours.

First term. Professor Jordan. Laboratory fee, $2.00. Hours: Lectures, 8:00 to 10:00 M., T., Th., F. Laboratory, 2:00 to 6:00 M. Peabody 204.

To consider critically such topics as the original nature of man, heredity and environment, types of learning and factors influencing learning, individual differences, mental hygiene, mental measurement is the purpose of this course.

s98. GENERAL METHODS IN SECONDARY EDUCATION. Credit, 5 quarter hours.

Second term. Professor Johnston. Hours: 8:00 to 10:00 daily. Peabody 202.

The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted.

Courses for Graduates and Advanced Undergraduates

s101. INTRODUCTION TO SCHOOL ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Howard. Hours: 11:00 to 1:00 daily. Peabody 202.

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course.

s102. THE ELEMENTARY SCHOOL PRINCIPALSHIP. Credit, 5 quarter hours.

First term. Professor Phillips. Hours: 8:00 to 10:00 daily. Peabody 201.

The qualifications, duties, and opportunities of the elementary school principal as an educational leader in an elementary school or in a union school will be carefully examined. Attention will be given to the practical organization of the staff, the instructional program, extra-curricular activities, and all the other professional responsibilities of the principal.

s103ab. ELEMENTS OF STATISTICAL METHODS. See Economics s170.

*s105ab. GUIDANCE AND ADMINISTRATION OF PUPILS. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor ..... Second term: Professor Howard. Hour: 9:00 daily. Peabody 202.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupils' activities, in student government, in athletics, etc.

* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

s106. PRINCIPLES OF OCCUPATIONAL DIAGNOSIS AND GUIDANCE. Credit, 5 quarter hours.

First term. Professor Trabue. Hours: 11:00 to 1:00 daily. Peabody 201.

This course is designed to provide a broad introduction to this field for graduate students who have had adequate training in general psychology, and some practical experience in business, industry, or a profession. Two fairly distinct groups of students are invited to register for the course: (a) those who plan to become personnel or placement officers in public employment offices, industrial or commercial firms, schools, or colleges; (b) teachers, supervisors, and administrative school officers.

*s110ab. PHILOSOPHY OF MODERN EDUCATION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Trabue. Second term: Professor Howard. Hour: 10:00 daily. Peabody 201.

The biological, psychological, and sociological principles underlying modern life in a democracy will be examined critically as a basis for a sound philosophy of modern education. Readings, reports, observations, and discussions.

s131a. MATERIALS AND METHODS OF TEACHING CIVICS. Credit, 2½ quarter hours.

First term: Staff of Institute of Government. Hour: 9:00 daily. Peabody 208.

The aims of this course are to acquaint teachers with the materials available for teaching civics in the high schools of North Carolina, and with the problems involved in organizing and presenting them to pupils. Special attention will be given to the actual preparation of supplementary texts, and to sources of materials for use in North Carolina high school classes. Attention will be focussed on content and procedure for teaching the following units: Functions of Government, Law Enforcement, Administration of Justice in the Courts, Tax Administration, Public Finance, and Public Welfare.

s143a. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. Credit, 2½ quarter hours.

First term. Professor Noble. Hour: 8:00 daily. Peabody 208.

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system.

s145a. COMPARATIVE EDUCATION. Credit, 2½ quarter hours.

First term. Professor Noble. Hours: 9:00 daily. New West 102.

This is a course in comparative education with emphasis upon the modern educational experience of and the more significant educational movements in certain foreign countries. Attention will be given to education as a means of national advancement and to the development of retarded national cultures through education.

*s152ab. SUPERVISION OF INSTRUCTION IN ELEMENTARY LANGUAGE ARTS. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor McKee. Second term: Professor ..... Hour: 11:00 daily. Peabody 208.

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention.

* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

*s154ab. SUPERVISION OF INSTRUCTION IN THE SOCIAL STUDIES. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor King. Second term: Professor ..... Hour: 10:00 daily. Peabody 202.

The problems of supervising elementary school teachers of history, geography, and citizenship will be discussed in this course.

s155b. SUPERVISION OF INSTRUCTION IN THE NATURAL SCIENCES. Credit, 2½ quarter hours.

Second term. Professor Preston. Hour: 9:00 daily. Peabody 203.

Nature study and elementary science, including physical geography, will be considered in this course.

s161. PROJECT ACTIVITIES IN THE ELEMENTARY GRADES. Credit, 5 quarter hours.

Second term. Professor McKee. Hours: 8:00 to 10:00 daily. Peabody 208.

An attempt will be made in this course to develop criteria by which children's educational activities should be evaluated, the means by which they should be tested, and the principles governing procedures in activity work.

*s162ab. TEACHING PUPILS HOW TO STUDY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor McKee. Hour: 10:00 daily. Peabody 208.

The physical and environmental factors that condition effective study, the necessary preliminary preparations for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits, and techniques for the supervision of practice and growth in each type of study will be conducted.

*s163ab. EVALUATING CLASSROOM INSTRUCTION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor ..... Second term: Professor Morrison. Hours: First term, 10:00 daily. Second term, 12:00 daily. Peabody 203.

The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials, techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction.

s164ab. TESTS AND MEASUREMENTS IN ELEMENTARY EDUCATION. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Morrison. Hour: 11:00 daily. Peabody 204. s164a is prerequisite to s164b.

Methods of measuring and improving the results of instruction in the elementary school will be given detailed consideration in this course. Students will be made acquainted with the most important tests and scales and will be given some experience in interpreting the results both statistically and practically.

s165. INVESTIGATIONS IN READING. Credit, 5 quarter hours.

First term. Professor ..... Hours: 11:00 to 1:00 daily. New West 207.

This course will deal more intensively with such phases of the subject as cannot receive adequate emphasis in the regular methods course. Among

* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

the topics which will receive special consideration are: recent investigations of reading abilities and their import; children's interests in reading; analysis of the content of readers now in use in school libraries; reading tests, diagnostic and remedial work.

*s171ab. THE PSYCHOLOGY OF CHILDHOOD AND YOUTH. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Jordan. Hour: 10:00 daily. Peabody 204.

An intensive study of the physical, intellectual, and emotional changes characteristic of childhood and youth. Special emphasis is placed on the consideration of adolescent interests in their relation to instruction.

s173a. MENTAL MEASUREMENTS. Credit, 5 quarter hours.

Second term. Professor Jordan. Hours: 8:00 to 10:00 daily. Peabody 204.

A study of mental tests, both individual and group. The origin of the tests will be first considered, followed by a comparative study of the various types of group and individual tests. There will be ample opportunity offered for the actual administration of the tests and the interpretation of the results.

s179a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC. Credit, 2½ quarter hours.

First term. Mr. Bloch. Hour: 10:00 daily. Hill Music Hall.

Supplementing the class instruction in band and orchestral instruments, this course is designed to give the student the necessary preparation for organizing and teaching instrumental music. Discussions and comparative study of materials and methods.

s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC. Credit, 2½ quarter hours.

Second term. Mr. Toms. Hour: 10:00 daily. Hill Music Hall.

The principles and practice of choral singing with a survey of music materials suitable for school, college, and church choirs.

s185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. Credit, 5 quarter hours.

First term. Professor King. Hours: 11:00 to 1:00 daily. Phillips 310.

The aims, functions, and objectives of the social studies will be carefully analyzed and the history of their place in the American secondary school will be examined. Special attention will be given this summer to the materials and methods of teaching government. The Institute of Government will coöperate in the conduct of the course.

s189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. Credit, 5 quarter hours.

First term. Professor Munch. Hours: 8:00 to 10:00 daily. Phillips 310.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objective of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics.

s191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. Credit, 5 quarter hours.

Second term. Professor Preston. Hours: 11:00 to 1:00 daily. Peabody 202.

Knowledge of science is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, and instruction techniques. Assigned readings introduce the important literature.

* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

s196. THE HIGH SCHOOL PRINCIPALSHIP. Credit, 5 quarter hours.

First term. Professor ..... Hours: 8:00 to 10:00 daily. Phillips 311.

This course considers the duties, qualifications, and activities of the principal of a secondary school. Lectures, readings, discussions, investigations and reports.

*s197ab. SOCIAL POLICY AND EDUCATION. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor McKee. Second term: Professor ..... Hour: 9:00 daily. Phillips 319.

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy.

Courses for Graduates

s201. PROCEDURES IN EDUCATIONAL RESEARCH. Credit, 5 quarter hours.

First term. Professor Morrison. Hours: 8:00 to 10:00 daily. Alumni 110.

This course, for graduate students only, will be required of all candidates for higher degrees in the fields of educational administration and elementary education. Through the examination of selected examples of published research, members of the class will study the methods and techniques to be used in discovering, defining, and analyzing problems for investigation; in locating, gathering, and interpreting data; and in formulating and testing conclusions.

s202a. TECHNIQUES IN EDUCATIONAL LEADERSHIP. Credit, 2½ quarter hours.

First term. Professor Phillips. Hour: 10:00 daily. Phillips 310.

This course undertakes to discover and to develop skill in the techniques by which communities and their representatives may be led to work effectively for better schools. The course also deals with the problems of leading teachers, supervisors, and administrative officers into more effective professional activities. The use of school reports, public meetings, newspapers, campaigns, surveys, associations, school programs, and other devices will be studied with a view to determining the most effective procedures to use in accomplishing specific results.

s206. PUBLIC SCHOOL SUPERINTENDENCY. Credit, 5 quarter hours.

First term. Professor ..... Hours: 11:00 to 1:00 daily. Phillips 311.

This course is designed to assist city and county superintendents of schools to meet effectively the practical problems of their daily work. The selection and supervision of the teaching staff, the development and administration of courses of study, the diagnosis, classification, and guidance of pupils, the planning and maintenance of buildings, and the transportation of pupils will be among the topics considered. Prerequisite: at least two years administrative experience and Education 101 or its equivalent.

*s303ab. PROBLEMS IN EDUCATIONAL ADMINISTRATION. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Howard. Hours: 2:00 to 4:00 Tuesdays and Thursdays. Peabody 202. Prerequisite, Education s101, or its equivalent, and one other course in educational administration.

* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once.

s341a. FOUNDATIONS OF MODERN EDUCATION. Credit, 2½ quarter hours.

First term. Professor Noble. Hours: 2:00 to 4:00 Mondays and Thursdays. Peabody 203.

This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 142 or Education 143, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences.

*s375ab. THESIS COURSE. Credit, 2½ or 5 quarter hours.

Through both terms. Professors in the Department of Education. Hours to be arranged.

This is a course in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussion.

*s376ab. SEMINAR COURSE. Credit, 2½ or 5 quarter hours.

Through both terms. Professors in the Department of Education. Hours to be arranged.

A research course in a special field under the direction of a member of the department.

*s398ab. PROBLEMS IN SECONDARY EDUCATION. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Johnston. Hours: 2:00 to 4:00 Tuesdays and Fridays. Peabody 204.

This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student.

NOTE: The attention of students in Education is called to Psychology s140 (PSYCHOLOGY OF PERSONALITY) and Sociology s175 (EXTRA-CURRICULAR ACTIVITIES).

ENGLISH

Courses for Undergraduates

s3. ENGLISH COMPOSITION. Credit, 3 quarter hours.

First term. Mr. Wilson. Hour: 9:00 daily (including Saturdays). Murphey 110.

Final quarter of freshman English. Themes, personal conferences, study of essay, directed readings.

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* Although this course is given through both terms, students may receive credit for either half of the course as well as the entire course.

*s21. ENGLISH LITERATURE. Credit, 5 quarter hours.

First term. Dr. Williams. Prerequisite, English 1, 2, 3. Hours: 9:00 and 11:00 daily. Murphey 201.

Study of important, significant literary productions chronologically considered.

s22. ENGLISH LITERATURE. (Continued.) Credit, 5 quarter hours.

Second term. Professor Russell. Hours: 9:00 and 11:00 daily. Murphey 201.

s44. PUBLIC SPEAKING: INTRODUCTORY COURSE. Credit, 5 quarter hours.

First term. Professor Olsen. Hours: 9:00 and 11:00 daily. Peabody 203.

Study and practice in organization, outlines, and delivery, in problems of attention and persuasion, with collateral readings on contemporary public problems.

s50ab. SHAKESPEARE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Sharpe. Second term: Professor MacMillan. Hour: 11:00 daily. Murphey 207.

About twenty of the more important plays of each type—comedy, tragedy, and history—will be studied.

s53. CREATIVE WRITING. Credit, 2½ quarter hours.

First term. Professor Bailey. Hour: 10:00 daily. Murphey 202.

Study and practice in various forms of original writing.

s81ab. AMERICAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Stewart. Second term: Professor Paine. Hour: 12:00 daily. Murphey 201.

A survey of American literature from 1830 to 1855, with special attention to Poe, Emerson, Thoreau, Lowell, Hawthorne, and Melville.

s88a. VICTORIAN LITERATURE I. Credit, 2½ quarter hours.

Second term. Professor Booker. Hour: 9:00 daily. Murphey 202.

A survey of early Victorian prose with special attention to Carlyle, Dickens, Thackeray, and Charlotte Brontë.

s91ab. THE ENGLISH NOVEL. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Bailey. Second term: Professor Russell. Hour: 8:00 daily. Murphey 202.

A study of the English novel from Defoe to Hardy. In the first term the eighteenth century and the Romantic peroid will be covered; in the second term, the Victorian period.

s100a. DIRECTED READINGS. Credit, 2½ quarter hours.

First term. Professor Olsen. Hours: to be arranged. Murphey 210.

Open to advanced students in any department who desire to read in the field of their literary interests. Special topics, oral and written reports.

Courses for Graduates and Advanced Undergraduates

s103. MIDDLE ENGLISH: CHAUCER. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Henshaw. Second term: Professor Steadman. Hour: 11:00 daily. Murphey 206.

Previous training in Old or Middle English not a fixed pre-requisite. The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with some consideration of Chaucer's language.

* English s21 and s22 together constitute the whole of sophomore English as given in the regular session.

s111ab. ENGLISH LITERATURE OF THE RENAISSANCE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Sharpe. Second term: Professor Howell. Hour: 10:00 daily. Murphey 206.

A survey of non-dramatic literature of the sixteenth century.

s113a. PRE-SHAKESPEAREAN DRAMA. Credit, 2½ quarter hours.

First term. Professor Henshaw. Hour: 12:00 daily. Murphey 206.

The vernacular drama of medieval England: the cyclic plays, the saints' plays, the moralities.

s125ab. MILTON. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Harrison. Second term: Professor Howell. Hour: 8:00 daily. Murphey 206.

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study.

s133b. EIGHTEENTH-CENTURY DRAMA. Credit, 2½ quarter hours.

Second term. Professor MacMillan. Hour: 10:00 daily. Murphey 207.

A study of eighteenth-century drama in relation to contemporary literary movements and theatrical conditions.

s141a. ENGLISH LITERATURE, 1780-1800. Credit, 2½ quarter hours.

First term. Professor Hudson. Hour: 12:00 daily. Murphey 207.

The earlier phase of the Romantic Movement, with emphasis upon Blake, Burns, Wordsworth, and Coleridge.

s167b. THE ENGLISH BALLAD. Credit, 2½ quarter hours.

First term. Professor Hudson. Hour: 10:00 daily. Murphey 207.

A study of English and Scottish popular ballads, with a survey of ballad survivals in America, particularly in the South. Students who may have access to ballads in oral circulation will be encouraged to collect them.

s170b. HISTORY OF THE ENGLISH LANGUAGE; STUDIES IN THE GRAMMAR OF MODERN ENGLISH. Credit, 2½ quarter hours.

Second term. Professor Steadman. Hour: 9:00 daily. Murphey 215.

A course in historical English grammar, with special adaptation to teachers and prospective teachers of English.

Courses for Graduates

s231. SHAKESPEARE. Credit, 2½ quarter hours.

First term. Professor Harrison. Hour: 9:00 daily. Murphey 206.

The works of Shakespeare are studied with emphasis upon the historical and critical problems which they present.

s283ab. AMERICAN LITERATURE, 1830-1855. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Stewart. Second term: Professor Paine. Hour: 11:00 daily. Murphey 207.

In the first term, studies in Emerson and Hawthorne; in the second term, studies in Longfellow, Lowell, and Melville.

s320. SEMINAR: STUDIES IN VICTORIAN LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Booker. Hours: 4:00 to 6:00 Mondays and Thursdays. Library 303.

Special problems in the literature appearing between 1832 and 1890.

s341ab. SPECIAL RESEARCH. Credit, 2½ or 5 quarter hours.

Through both terms. Hours to be arranged with individual instructors.

Research under the direction of a member of the graduate staff. The fields vary in accordance with the special interests of those members of the staff in residence. In the summer of 1937, individual or group studies will be directed as follows: First term, in American literature by Professor Stewart, in Old and Middle English language and literature by Professor Henshaw, in the Renaissance by Professor Sharpe, in the Seventeenth Century by Professor Harrison, in the Romantic Movement and in Folk Literature by Professor Hudson; Second term, in American literature by Professor Paine, in the Sixteenth and Seventeenth Centuries by Professor Howell, in the Eighteenth Century by Professor MacMillan, in Old and Middle English language and literature by Professor Steadman.

GEOLOGY

Courses for Undergraduates

s41. INTRODUCTION TO GEOLOGY. Credit, 6 quarter hours.

First term. Professor Prouty. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 5:00 four days a week. New East 110.

s42. HISTORICAL GEOLOGY. Credit, 6 quarter hours.

Second term. Professor Huddle. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays); Laboratory, 2:00 to 5:00 four days a week. New East 110.

s48-49. SUMMER FIELD COURSE. Credit, 10 quarter hours.

First term. Professor Huddle. Prerequisite, Introductory Geology.

A six weeks' course to be given in North Carolina and bordering states. In this course Economic, Structural and Stratigraphic Geology, and Geologic Mapping will be emphasized. For details, write the Department of Geology.

s51. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Emory. Hours: Lectures, 9:00 daily. Ten laboratory hours to be arranged. New East 110.

s57. GEOGRAPHY OF NORTH AMERICA. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: Lectures, 9:00 daily. Ten laboratory hours to be arranged. New East 110.

Courses for Graduates and Advanced Undergraduates

s141. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

Problems and work adapted to the special needs of the student.

s142. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Huddle. Hours: to be arranged.

s143. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Prouty. Hours: to be arranged.

Courses for Graduates

s304. SPECIAL RESEARCH. Credit, 5 quarter hours.
First term. Professor MacCarthy. Hours: to be arranged.

s305. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.
Second term. Professor Huddle. Hours: to be arranged.

GERMAN

Courses for Undergraduates

*s3. INTERMEDIATE COURSE. Credit, 3 quarter hours.
First term. Mr. Cook. Hours 8:00 and 12:00 daily. Saunders 110.
Review of grammar and rapid reading.

s21. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. If followed by s22 it forms the equivalent of German 21-22-23 of the regular session.
First term. Professor Zucker; Dr. Coenen. Hours: 9:00 and 12:00 daily. Saunders 110.
German literature through the classical period.

s22. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. With s21 it forms the equivalent of German 21-22-23.
Second term. Professor Friederich. Hours: 9:00 and 12:00 daily. Saunders 110.
German literature of the nineteenth century.

s51. GERMAN CONVERSATION AND COMPOSITION. Credit, 5 quarter hours.
Through both terms. First term: Dr. Coenen. Second term: Professor Vowles. Hour: 9:00 daily. Saunders 109.

Courses for Graduates and Advanced Undergraduates

s109. STUDY OF THE DEVELOPMENT OF THE NOVEL AND NOVELLE IN GERMANY. Credit, 2½ quarter hours. Prerequisite, German 21-22-23.
First term. Dr. Coenen. Hour: 11:00 daily. Saunders 110.

s112. RENAISSANCE AND BAROQUE LITERATURE IN GERMANY. Prerequisite, German 21-22-23. Credit, 2½ quarter hours.
Second term. Professor Friederich. Hour: 11:00 daily. Saunders 110.
German literature and its cultural background from 1400 to 1700; outside reading and reports.

Courses for Graduates

s271. SEMINAR IN THE POEMS OF SCHILLER AND GOETHE. Credit, 2½ or 5 quarter hours.
Through both terms. First term: Professor Zucker. Second term: Professor Vowles. Hour to be arranged. Saunders 107.
A study of the works of Schiller in the first term and of Goethe in the second term.

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* This is the third part of German 1-2-3 as given in the regular session.

s395. RESEARCH. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Zucker. Second term: Professor Vowles. Saunders 107.

Research in a special field.

HISTORY

Courses for Undergraduates

s1. SOCIAL SCIENCE. Credit, 3 quarter hours.

First term. Professor Russell. Hour: 10:00 daily (including Saturdays). Saunders 212.

A survey of the chief factors in Western Civilization to the French Revolution, designed to throw light on the institutions, ideas, and problems of the present.

s2. SOCIAL SCIENCE. Credit, 3 quarter hours.

First term. Professor Johnson. Hour: 9:00 daily (including Saturdays). Saunders 212.

A continuation of s1 Social Science, concerned with the chief factors in Western Civilization from the American and French Revolutions to the eve of the World War.

s3. SOCIAL SCIENCE. Credit, 3 quarter hours.

Second term. Mr. Sitterson. Hour: 9:00 daily (including Saturdays). Saunders 212.

A continuation of s2 Social Science, concerned with the more important institutions, problems, and ideals of contemporary life.

s71. HISTORY OF THE UNITED STATES TO 1860. Credit, 5 quarter hours.

First term. Professor Johnson. Hours: 11:00 to 1:00 daily. Saunders 212.

A general survey of the history of the United States from the beginning to the Civil War.

s72. HISTORY OF THE UNITED STATES SINCE 1860. Credit, 5 quarter hours.

Second term. Mr. Sitterson. Hours: 10:00 to 12:00 daily. Saunders 212.

A general survey of the history of the United States since 1860.

Courses for Graduates and Advanced Undergraduates

s101e. PERIOD STUDIES IN GREEK HISTORY. Credit, 2½ quarter hours.

Second term: Professor Harland. Hour: 9:00 daily. Murphey 109.

The historical development of the art of Greece will be studied and presented as one phase of the civilization of the ancient Greeks.

s102a. PERIOD STUDIES IN ROMAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Russell. Hour: 8:00 daily. Saunders 216.

A study of the sources, literature, and history of the third century of the Roman Empire.

s121a. MEDIEVAL CIVILIZATION. Credit, 2½ quarter hours.

Second term. Professor MacKinney. Hour: 8:00 daily. Saunders 216.

A study of the culture of the early Middle Ages.

s121b. MEDIEVAL CIVILIZATION. Credit, 2½ quarter hours.
Second term. Professor MacKinney. Hour: 10:00 daily. Saunders 216.
A study of the culture of the late Middle Ages.

s136. RECENT AND CONTEMPORARY EUROPEAN HISTORY. Credit, 5 quarter hours.
First term. Professor Pegg. Hours: 11:00 to 1:00 daily. Saunders 216.
The World War and its aftermath.

s139. GREAT BRITAIN FROM 1760 TO THE PRESENT. Credit, 5 quarter hours.
Second term. Professor Wagstaff. Hours: 11:00 to 1:00 daily. Saunders 216.
The evolution of the British state as shaped by modern forces.

s143b. THE DIPLOMATIC HISTORY OF THE UNITED STATES SINCE THE CIVIL WAR. Credit, 2½ quarter hours.
First term. Professor Ballagh. Hour: 12:00 daily. Saunders 212.
A study of the foreign relations of the United States since the Civil War.

s150a. THE AMERICAN COLONIES, 1689-1763. Credit, 2½ quarter hours.
Second term. Professor Lefler. Hours: 10:00 daily. Saunders 309.
A study of the political, social, economic and cultural history of the colonies from 1689 to 1763.

s150b. THE AMERICAN COLONIES, 1763-1783. Credit, 2½ quarter hours.
Second term. Professor Lefler. Hour: 11:00 daily. Saunders 309.
A study of the late colonial period and the American Revolution.

s151b. THE FEDERAL PERIOD, 1789-1815. Credit, 2½ quarter hours.
First term. Professor Newsome. Hour: 9:00 daily. Saunders 216.
A study of the history of the United States from the launching of the government under the Federal Constitution through the War of 1812.

s153. SECESSION AND CIVIL WAR. Credit, 5 quarter hours.
Second term. Professor Green. Hours: 8:00 to 10:00 daily. Saunders 309.
A study of the secession movement and of the various aspects of the Civil War in the United States.

s156. RECENT AMERICAN HISTORY, 1901-1936. Credit, 5 quarter hours.
First term. Professor Ballagh. Hours: 10:00 to 12:00 daily. Saunders 309.
A study of recent and contemporary United States.

s162b. NORTH CAROLINA SINCE 1877. Credit, 2½ quarter hours.
First term. Professor Newsome. Hour: 8:00 daily. Saunders 309.
A study of recent and contemporary North Carolina.

s170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (Education 143.) Credit, 2½ quarter hours.
First term. Professor Stuart Noble. Hour 8:00 daily.
The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system.

Courses for Graduates

s201a. HISTORIOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Russell. Hours: to be arranged.

A study of methods of research, the schools of historical interpretation, and European historians.

s201b. AMERICAN HISTORIOGRAPHY. Credit, 2½ quarter hours.

Second term. Professor Green. Hours: to be arranged.

A study of the history and bibliography of American history.

s311. SEMINAR IN MEDIAEVAL EUROPEAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor MacKinney. Hours: to be arranged.

s321. SEMINAR IN MODERN EUROPEAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Pegg. Hours: to be arranged.

s331. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Lefler. Hours: to be arranged.

s333. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Newsome. Hours: to be arranged.

LATIN

Courses for Graduates and Advanced Undergraduates

s104. CICERO. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 8:00 daily. Murphey 101.

A study of Cicero's works, with emphasis on those writings which deal particularly with his public career.

s107. ROMAN SATIRE. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 9:00 daily. Murphey 101.

Readings from the Roman satirists, with lectures on the history and development of satire and reports on special topics.

s111. THE LATIN EPIC—VERGIL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 12:00 daily. Murphey 101.

The course will deal with the history and development of the Latin Epic, its origins in the Greek and its culmination in Vergil's *Aeneid*.

s116. HORACE. Credit, 2½ quarter hours.

Second term. Dr. Johnson. Hour: 9:00 daily. Murphey 101.

A study of the poetry of Horace, its form, content, and relations to the life and conditions of the period.

s120. MARTIAL, AND PLINY'S LETTERS. Credit, 2½ quarter hours.

Second term. Dr. Johnson. Hour: 8:00 daily. Murphey 101.

A study of the literary types with readings from the authors to interpret their contributions to the literature and life of the period.

Courses for Graduates

s202. LATIN EPIGRAPHY. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 9:00 daily. Murphey 103.

The aim of the course is to acquire facility in the reading of inscriptions, and an understanding of their values in the field of Roman studies.

s301. LATIN SEMINAR. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 10:00 daily. Murphey 103.

The study of an important writer of history: Sallust, Livy, Tacitus, or Suetonius.

s303. LATIN SEMINAR. Credit, 2½ quarter hours.

Second term. Dr. Johnson. Hour: 11:00 daily. Murphey 101.

The critical study of an author of the Classical period, or of a literary form.

s310. THESIS COURSE. Credit, 5 quarter hours.

First term. Professor Harrer. By appointment. Murphey 104.

Work on special topics, and with individual conferences. The work carries credit only in connection with the completed thesis.

NOTE: Courses in Ancient History regularly make an approved minor for an Advanced degree in Latin, and may by special permission be counted as part of the major.

SCHOOL OF LAW

All offerings in Law will meet in Manning Hall, which houses the School of Law.

DAMAGES. Credit, 2½ semester hours.
First term. Professor McCormick. Hour to be arranged.

EQUITY. Credit, 2½ semester hours.
First term. Professor Cook. Hour to be arranged.

CIVIL PROCEDURE I. Credit, 2½ semester hours.
First term. Professor Chadbourn. Hour to be arranged.

PERSONAL PROPERTY. Credit, 2½ semester hours.
First term. Professor Wettach. Hour to be arranged.

DEBTORS' ESTATES. Credit, 2½ semester hours.
Second term. Professor Sturges. Hour to be arranged.

SALES. Credit, 2½ semester hours.
Second term. Professor Hanft. Hour to be arranged.

ADMINISTRATION OF JUSTICE. 2½ semester hours.
Second term. Professor Van Hecke. Hour to be arranged.

REAL PROPERTY I. Credit, 2½ semester hours.

Second term. Professor McCall. Hour to be arranged.

The first two courses named each term are for advanced students; the second two are primarily for beginning students.

Separate credit may be obtained for the work of each term. Credit for two and one-half semester hours will be given for each subject completed each term. All classes meet daily from Monday to Friday, inclusive, for one hour and twenty minute periods each. Two courses constitute the maximum load for which a student may register. Attendance throughout the entire Summer Session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

Requirements for Admission. For students beginning the study of law, the completion of the first three years of work required for an academic degree in an accredited college. For advanced students, good standing at a member school of the Association of American Law Schools.

Fees. All students: $40.00 for one term, $75.00 for both terms. Room rent in Carr Building, reserved exclusively for the use of law students, is $15.00 for each occupant of a double room, for each term of the Summer Session.

The School of Law of the University of North Carolina is approved by the American Bar Association, and is a member of the Association of American Law Schools.

†SCHOOL OF LIBRARY SCIENCE

All offerings in Library Science will meet in the Library, room 313 and one other to be determined by Doctor Akers.

*s102ab. CATALOGING AND CLASSIFICATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Miss Thompson. Second term: Professor Akers. Hour: 9:00 daily. Laboratory: 3:00 to 4:30 four times a week. Prerequisite, Library Science 101.

*s112ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Kelling. Second term: Mrs. Pierce. Hour: 8:00 daily. Prerequisite, Library Science 111.

*s122ab. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Beust. Second term: Miss Livsey. Hour: 10:00 daily. Prerequisite, Library Science 121.

*s123ab. BOOK SELECTION FOR CHILDREN'S LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Beust. Second term: Miss Livsey. Hour: 8:00 daily.

s124. BOOK SELECTION FOR COLLEGE LIBRARIES. Credit, 5 quarter hours.

Second term. Miss Livsey. Hour: 11:00 to 1:00 daily. Prerequisite, Library Science 121.

*s141ab. ADMINISTRATION OF LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Kelling. Second term: Mrs. Pierce. Hour: 10:00 daily.

For students who have completed three terms work in Library Science.

*s142ab. ADMINISTRATION OF LIBRARIES. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Kelling. Second term: Mrs. Pierce. Hour: 9:00 daily.

For students who have had no previous work in Library Science or for special students.

s151. HISTORY OF BOOKS AND LIBRARIES. Credit, 5 quarter hours.

First term. Professor Downs. Hours: 11:00 to 1:00 daily.

s152. THE CARE AND USE OF LIBRARY MATERIALS. Credit, 2½ quarter hours.

Second term. Professor Akers. Hour: 11:00 daily.

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† All courses count towards certification and a degree in library science; only s112, s122, s123, s124, s125, s152 count for A.B.

* "ab" indicates the course is divided into two parts, "a" comes the first term, "b" the second term. "a" is a prerequisite for "b".

s153. LIBRARY WORK WITH CHILDREN. Credit, 2½ quarter hours.
First term: Professor Beust. Hour 11:00 daily.

s191b. SPECIAL PROBLEMS CONTINUING WORK IN CATALOGING. Credit, 2½ quarter hours.

Second term. Professor Akers. Hours by appointment.

Open only to students who have completed three or more terms of work in Library Science.

Since enrollment in all Library Science courses is limited, application for admission to all such courses must be made in advance to the Director of the School of Library Science.

Requirements for admission. The principal requirement for admission is a bachelor's degree from an accredited college or university.

Mature persons who cannot qualify for admission to the regular curriculum and who are not interested in completing the work for the degree but who could take certain courses with profit, will be admitted as special students.

MATHEMATICS

Courses for Undergraduates

s1. COLLEGE ALGEBRA. Credit, 5 quarter hours.
First term. Professor Lasley. Hours: 9:00 and 12:00 daily. Phillips 352.

s2. PLANE TRIGONOMETRY. Credit, 5 quarter hours.
Second term. Professor Browne. Hours: 9:00 and 12:00 daily. Phillips 352.

s31. PLANE ANALYTIC GEOMETRY. Credit, 5 quarter hours.
First term. Professor Hill. Hours: 9:00 and 11:00 daily. Phillips 353.

s32. DIFFERENTIAL CALCULUS. Credit, 5 quarter hours.
First term. Professor Garner. Hours: 9:00 and 11:00 daily. Phillips 358.

s33. INTEGRAL CALCULUS. Credit, 5 quarter hours.
Second term. Professor Winsor. Hours: 9:00 and 11:00 daily. Phillips 353.

Courses for Graduates and Advanced Undergraduates

s103. INTRODUCTION TO HIGHER GEOMETRY. Credit, 2½ quarter hours.

Second term. Professor Winsor. Hour: 8:00 daily. Phillips 360.

This course is designed primarily for teachers and for those who plan to teach in the secondary schools, but may be used for an elective by those who are interested in acquainting themselves with modern advance in geometry beyond Euclid.

s105. HISTORY OF MATHEMATICS. Credit, 2½ quarter hours.

First term. Professor Hill. Hour: 12:00 daily. Phillips 351.

An account of some of the men and events in the history of mathematics. For teachers and also for students who desire to view their subject in the light of its history.

s141. DIFFERENTIAL EQUATIONS. Credit, 5 quarter hours.

Through both terms. First term: Professor Henderson. Second term: Professor Mackie. Hour: 10:00 daily. Phillips 360.

A study of differential equations and their application to selected problems in both pure and applied mathematics.

Courses for Graduates

s206. FUNCTIONS OF A COMPLEX VARIABLE. Credit, 5 quarter hours.

Through both terms. First term: Professor Henderson. Second term: Professor Mackie. Hour: 9:00 daily. Phillips 360.

A study of single and multiple valued functions of a complex variable, differentiation, integration, conformal mapping, etc.

s231. THEORY OF NUMBERS. Credit, 2½ quarter hours.

Second term. Professor Browne. Hour: 11:00 daily. Phillips 360.

An elementary course in the study of the properties of the rational integers, divisibility, greatest common divisor, etc.

s261. DIFFERENTIAL GEOMETRY. Credit, 2½ quarter hours.

First term. Professor Lasley. Hour: 11:00 daily. Phillips 360.

Metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms.

s291. THEORY OF FINITE GROUPS. Credit, 2½ quarter hours.

First term. Professor Henderson. Hour: 8:00 daily. Phillips 360.

Deals with the theory of substitution in general, and as applied to the algebraic equations. Numerous applications in algebra and geometry.

MUSIC

All offerings in Music will meet in Hill Music Hall in rooms to be determined by the Department.

Courses for Undergraduates

s4. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.

Each term. First term: Professor Slocum and Assistant. Second term: Professor Toms and Assistant. Hours: 8:00 and 1 additional hour daily to be arranged.

A course in the rudiments of musical notation with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite or previous training is necessary, but previous musical experience will obviously be of great value to the student. Ten hours a week distributed on the basis of two hours lecture and eight hours laboratory practice.

s5. MUSICAL NOTATION, SIGHT-SINGING, and DICTATION. Credit, 3 quarter hours.

Second term. Professor Toms and Assistant. Hours: 8:00 and 1 additional hour daily to be arranged.

Continuation of s4.

s14. HARMONY. Credit, 2½ quarter hours.

Each term. First term: Professor Haydon. Second term: Professor Schinhan. Hour: 9:00 daily. Prerequisite, Music s4. Students who do not have the prerequisite may take it concurrently.

s15. HARMONY. Credit, 2½ quarter hours.

Second term. Professor Schinhan. Hour: 2:00 daily.

Continuation of s14.

s25. HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 12:00 daily.

A course in the general history and appreciation of music from Bach to Beethoven. Lectures, assigned readings, with musical illustrations.

s26. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Professor Swalin. Hour: 11:00 daily. Music s25 is not prerequisite.

A course in the general history of music from Beethoven to the present. Lectures, assigned readings, with musical illustrations.

*s44. ADVANCED HARMONY. Credit, 2½ quarter hours.

Each term. Five class hours a week.

s55. MUSIC AS A LITERATURE. Credit, 3 quarter hours.

Second term. Professor Swalin. Hour: 12:00 daily and other hours to be arranged.

A course designed to direct the understanding, feeling, and taste of the music lover to the end of intelligent listening to music. Representative compositions of Romantic and Modern composers will be used as a basis for the study of typical forms and styles of instrumental music. Illustrations including phonographic recordings and actual performances of works for orchestra, chamber music combinations, pianoforte, and violin will be given.

s61. MODAL COUNTERPOINT IN THE 16TH CENTURY STYLE. Credit, 2½ quarter hours.

Second term. Professor Schinhan. Hour: 10:00 daily. Prerequisite, Music 14-15-16.

Study and practice of the contrapuntal technique of the 16th century; the writing of simple motets.

s71. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 2½ quarter hours.

First term. Professor Slocum. Hour: 9:00 daily.

A course in the study of the principles and practice of instrumentation, elementary score reading, and conducting.

*s72. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 2½ quarter hours.

Second term. Hours as for s71 above.

*s74. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. Credit, 2½ quarter hours.

Second term. Five class hours a week.

APPLIED MUSIC

Individual Instruction

The courses in Applied Music are open to students in any department of the University. The work in these courses is regarded not merely as technical training in performance but also as a study of musical literature. A course in Applied Music normally extends through three quarters, and credit will not be given except on completion of an entire course.

The following regulations govern individual instruction in Applied Music. *Fees:* $12.00 a term for one lesson a week; $18.00 a term for two lessons a week. Practice rooms and periods are assigned at the Music Department

* This course will be given if the demand warrants.

office. Fee for one hour daily practice period—$2.00 a term; fee for two hours daily practice period—$3.00 a term; fee for six hours practice a week on Reuter four manual organ—$8.00 each term. Other rates in proportion. All fees for Applied Music and practice must be paid at the Office of the Department of Music.

sA, sB, sC, sD, sE. Individual instruction in organ, piano, voice, violin, and other band and orchestral instruments. Hours: by arrangement.

sA. Organ. First term: Professor Spelman. Second term: Professor Schinhan.

sB. Piano. First term: Professor Spelman. Second term: Professor Schinhan.

sC. Voice. First term: Miss Schneider. Second term: Professor Toms.

sD. Violin. First term: ..... Second term: Professor Swalin.

sE. Other band and orchestral instruments. Professor Slocum in charge.

Class Instruction

During the first term of the Summer Session, in connection with the All-State High School Band and Orchestra Music course,** class instruction in all band and orchestral instruments will be offered. These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

sF. ANY BAND OR ORCHESTRAL INSTRUMENT.

First term. Professor Slocum, Mr. Bloch, Mr. Mitchell, Mrs. Mitchell, Mr. Hazelman. Hours: to be arranged.

sJ. CHORUS. No credit.

Second term. Professor Toms. Hour: 5:00 daily.

This course is open to all students of the Summer Session interested in singing the standard literature for mixed chorus.

Courses for Graduates and Advanced Undergraduates

The work in the summer terms is planned so that a properly prepared graduate student can complete the requirements for the A.M. degree in three summers of two terms each.

s102. MUSICOLOGY. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 11:00 daily.

This part of the general course in Musicology—which is a study of the problems and methods in the various fields, historical and systematic, of musical research—is devoted to the study of musical aesthetics.

*s121. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Prerequisite, a general course in the History of Music and some knowledge of music theory. Five class hours a week.

A critical study of certain composers or periods of musical development.

*s122. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours. Second term.

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* This course will be given if the demand warrants.

** See Special Announcements.

Course for Graduates

s201. SPECIAL STUDIES. Credit and hours to be arranged.
Both terms. First term: Professor Haydon. Second term: Professor Swalin.

Note: The attention of students in Music is called to the course, Education s179a, MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC, Education s180a, MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC. The special Teachers Training Course, CREATIVE MUSIC MATERIALS AND METHODS, is described in Special Features, Part III of this bulletin.

SCHOOL OF PHARMACY

The School of Pharmacy offers during the first term only the courses described below. It should be understood, however, that in the plan of such offerings the School operates upon a basis different from that obtaining in other divisions of the Summer School. Two differences are outstanding: 1. Instead of charging a composite fee the School makes a fixed charge for each course offered. The total cost of each such course is indicated in the descriptions below. 2. A minimum of five students must register for any one of the courses. If fewer than this number apply the course will not be given.

Any student registered in the School of Pharmacy who desires to take any service course offered in the regular Summer School may do so, provided such addition will not constitute an over-loaded schedule, and provided such student pays the sum of $2.25 for each quarter credit hour such a service course carries. If the service course involves a laboratory fee, such fee is an additional cost.

It is recommended that students interested in taking any courses in pharmacy write in advance to the Dean of the School of Pharmacy stating *all* subjects which they would like to pursue.

All offerings in Pharmacy will be held in the Howell Hall of Pharmacy.

s10. PHARMACEUTICAL MATHEMATICS. Credit, 3 quarter hours.

A course that relates arithmetic and mathematics to the special problems arising in dispensing and merchandising calculations involved in pharmaceutical practice. Six lectures a week. Textbook: *Sturmer's Pharmaceutical Arithmetic.* Professor Jacobs. Tuition: $25.00.

s12. PHARMACEUTICAL TECHNIQUE. Credit, 5 quarter hours.

The lectures deal with the theory and practice of pharmacy. The laboratory work is designed to train the student in the fundamental manipulations involved in the simpler practices. Six lecture and eight laboratory hours a week. Textbooks: *U. S. Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

s21. GALENICAL PHARMACY. Prerequisite, Pharmacy 10, 11, 12. Credit, 5 quarter hours.

The official galenicals are studied in the lectures. The laboratory work consists of the preparation of the more important types of official preparations. Six lecture and eight laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $8:00.

s22. INORGANIC PHARMACY. Prerequisite, Chemistry 31. Credit, 5 quarter hours.

Official inorganic compounds are studied. The laboratory work deals with the compounds and preparations involving chemical reactions. Six lecture and eight laboratory hours a week. Textbooks: Same as in Pharmacy s12, also *New* and *Non-official Remedies.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

PHYSICAL EDUCATION

Courses for Undergraduates

s81a. THE COACHING OF MAJOR AND MINOR SPORTS IN SECONDARY SCHOOLS AND COLLEGES. Credit, 5 quarter hours.

First term. Professor Lange. Hours: 9:00 and 2:00 daily. Saunders 111.

This course will deal with various methods and techniques of teaching secondary school sports. Particular attention will be given to offensive and defensive football and basketball. The various events in track and field, baseball, and other sports.

s82a. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL BOYS. Credit, 2½ quarter hours.

First term. Professor Lange. Hour: 10:00 daily. Bynum Gymnasium.

This course will stress the selection of activities and appropriate methods of instruction for boys in junior and senior high schools. Group games, mass athletics, and various phases of the program for daily class work.

s82b. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL BOYS. Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 9:00 daily. Bynum Gymnasium.

This course follows s82a but has no prerequisite work. Theory and practice in games of high and low organization that make up the secondary school program. Tumbling, calisthenics, marching, and various phases of the formal program will be considered.

s83a. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL GIRLS. Credit, 2½ quarter hours.

First term. Professor Beard. Hour: 2:00 daily. Bynum Gymnasium.

This course will deal with the practical material used in regular physical education classes. Basketball, baseball, soccer, hockey, tennis, and other phases of the games program will be presented.

s83b. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR ELEMENTARY SCHOOLS. Credit, 2½ quarter hours.

Second term. Professor Fitzwater. Hour: 11:00 daily. Bynum Gymnasium.

This course follows s83a but has no prerequisite work. The material in this course will be for the elementary school program primarily. Selection of materials that are appropriate and methods of presentation will receive major consideration. Rhythmic expression, folk dancing, dramatization, plays and games suitable for different age groups will be taught.

s84a. METHODS AND MATERIALS IN HEALTH EDUCATION FOR ELEMENTARY SCHOOLS. Credit, 2½ quarter hours.

First term. Professor Beard. Hour: 11:00 daily. Saunders 111.

A consideration of personal, mental, emotional and social health, having as its purpose the development of an intelligent understanding of the school health problems. Elementary school program in health education will receive major attention.

s84b. METHODS AND MATERIALS IN HEALTH EDUCATION FOR JUNIOR AND SENIOR HIGH SCHOOL GIRLS. Credit, 2½ quarter hours.

Second term. Professor Fitzwater. Hour: 12:00 daily. Saunders 111.

This course aims to present principles, methods and materials in health

education particularly applicable to girls of the junior and senior high school ages. Among others, the following topics will be considered: the role of classroom teachers in health instruction; who shall teach health in secondary schools, etc.

s85a. CHILD RHYTHMICS AND ELEMENTARY DANCING FOR PUBLIC SCHOOLS. Credit, 2½ quarter hours.

First term. Professor Beard. Hour: 3:00 daily. Bynum Gymnasium.

This course will include singing games, basic methods and materials in modern, folk and tap dancing. Fundamentals of movement and rhythm basic to all types of dance will be the primary consideration of the course.

s85b. RHYTHMICS FOR PUBLIC SCHOOLS AND COLLEGES. Credit, 2½ quarter hours.

Second term. Professor Fitzwater. Hour: 2:00 daily. Bynum Gymnasium.

A study of the rhythmic pattern of body movement in the various dance forms. Materials and methods for teaching rhythmics in secondary schools and colleges. Attention will be given to folk, modern, tap and various forms of dancing.

Courses for Graduates and Advanced Undergraduates

s151. PRINCIPLES AND PROGRAM IN PHYSICAL EDUCATION. Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 11:00 daily. Peabody 123.

A study is made in this course of the bases for physical education in the present organization of society; the relations of physical education to general education practice; standards for judging physical education practice; and the psychological, sociological, and hygienic guides to be used in the selection of materials and methods.

s152. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 12:00 daily. Peabody 123.

This course deals with problems and procedures in physical education, including classification of students, organization of program, class schedules, teaching load, equipment, records, administration of a gymnasium, and other pertinent materials.

s161. PERSONAL HYGIENE (HEALTH EDUCATION). Credit, 2½ quarter hours.

First term. Professor Cornwell. Hour: 10:00 daily. Peabody 128.

This course presents personal and general hygiene as a means for the improvement of living. A study of the problems of living as they involve the health of the adult. Problems of the adjustment of the individuals to general conditions of rural and urban life. Various aspects of public health teaching receive consideration.

s173a. PHYSICAL EDUCATION FOR PHYSICALLY DEFICIENT CHILDREN. Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 8:00 daily. Peabody 123.

This course deals with the organization of programs and services in physical education for handicapped children. The problems of their personal satisfactions and functions in society will be considered. Such topics as the relation of the corrective program to the regular program, records, examination of cases, etc., will receive emphasis.

s181b. INTRAMURAL AND EXTRAMURAL SPORTS FOR PUBLIC SCHOOLS AND COLLEGES. Credit, 2½ quarter hours.

Second term. Professor Siewert. Hour: 10:00 daily. Peabody 123.

The study of the intramural and extramural program in terms of organization and administration. A critical analysis of the seasonal sports program with a view to their justification from the standpoint of objectives, age level, and contribution to the general welfare of the students participating.

PHYSICS

Courses for Undergraduates

*s24. GENERAL PHYSICS. PART I. Credit, 6 quarter hours.

First term. Professor Stuhlman and Dr. Shearin. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily (including Saturdays). Laboratory, 2:00 to 5:00 Tuesday and Thursday. Phillips 250. Prerequisite, Freshman Mathematics.

*s25. GENERAL PHYSICS. PART II. Credit, 6 quarter hours.

Second term. Dr. Shearin. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily (including Saturdays). Laboratory, 2:00 to 5:00 Tuesday and Thursday. Phillips 250. Prerequisite, Freshman Mathematics and Physics s24 or equivalent.

s41. ASTRONOMY. Credit, 5 quarter hours.

First term. Professor Fussler. Hours: Lectures, 8:00 to 10:00 daily. Phillips 255. Occasional observations with the telescope.

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Duncan, *Astronomy.*

Courses for Graduates and Advanced Undergraduates

s120a. HEAT AND INTRODUCTORY THERMODYNAMICS. Credit, 5 quarter hours.

Second term. Professor Plyler. Hours: 11:00 to 1:00 daily. Phillips 255. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.

Conduction of heat, kinetic theory, and thermodynamics. Text: Saha and Srivastava, *Heat.* More advanced and detailed than Physics 56, with emphasis on theory rather than experiment.

s150ab. PHYSICAL OPTICS. Credit, 5 quarter hours.

First term. Professor Wheeler. Hours: 11:00 to 1:00 daily. Phillips 255. Prerequisite, Calculus and one of the following: Physics, 52, 53, 55, 56.

Diffraction, interference, polarization, resonance, radiation, scattering, emission, and absorption; the electromagnetic theory of light. Text: Wood, *Physical Optics.*

Courses for Graduates

s301ab. RESEARCH. Credit, 2½ or 5 quarter hours.

First term. Members of the staff. Hours: to be arranged. Phillips 201.

Intended for candidates for advanced degrees. Theoretical or experimental work on a subject approved by the Physics staff. A reading knowledge of German is required.

s302ab. RESEARCH. Credit, 2½ or 5 quarter hours.

Second term. Members of the staff. Hours: to be arranged. Phillips 201. (See description for s301ab.)

* Physics s24 and s25 together are equivalent to Physics 21-22-23 of the regular session.

POLITICAL SCIENCE

Courses for Undergraduates

s51. THE GOVERNMENT OF THE UNITED STATES. Credit, 5 quarter hours.

First term. Professor Robson. Hours: 9:00 and 11:00 daily. Saunders 312.

A general course dealing with national government in the United States.

s81. AMERICAN STATE GOVERNMENT. Credit, 5 quarter hours.

Second term. Professor Jenkins. Hours: 9:00 and 11:00 daily. Saunders 312.

A study of the principles, organization, and administrative methods of state government with special attention to North Carolina.

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Fesler. Hours: 8:00 to 10:00 daily. Saunders 315.

General problems of public administration. Structural organization, personnel, financial planning and control, administrative legislation and adjudication.

s132. AMERICAN MUNICIPAL GOVERNMENT. Credit, 5 quarter hours.

First term. Professor Woodhouse. Hours: 11:00 to 1:00 daily. Saunders 315.

A survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions.

s134. COUNTY GOVERNMENT AND ADMINISTRATION. Credit, 2½ quarter hours.

First term. Professor Woodhouse. Hour: 10:00 daily. Saunders 315.

A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements.

s144. THE ORGANIZATION AND CONDUCT OF THE FOREIGN RELATIONS OF THE UNITED STATES. Credit, 5 quarter hours.

First term. Professor Frazer. Hours: 10:00 to 12:00 daily. Saunders 316.

The machinery of foreign relations, organs for conduct, and the foreign service are analyzed and discussed. Foreign policies are discussed from the standpoint of their formation and content.

s151. THE ELEMENTS OF POLITICAL SCIENCE. Credit, 5 quarter hours.

Second term. Professor Pierson. Hours: 11:00 to 1:00 daily. Saunders 316.

A study of the principles of political science and of the important theories respecting the nature, origin, forms and ends of the state and of government. An examination of the literature of the subject will be made.

s159. THE BRITISH EMPIRE. Credit, 2½ quarter hours.

Second term. Professor Wagstaff. Hour: 9:00 daily. Saunders 316.

A study of the structure of the British Empire, its evolution into a British Commonwealth of Nations, and an examination of the bonds which hold it together.

s181. RECENT NATIONAL POLICY AND ADMINISTRATION. Credit, 2½ quarter hours.

First term. Professor Fesler. Hour: 11:00 daily. Saunders 301.

Background, description, and evaluation of the policies and administrative methods of the Federal Government since 1929.

Courses for Graduates

s231. THE LEGISLATIVE PROCESS. Credit, 2½ quarter hours.

Second term. Professor Jenkins. Hour by arrangement.

A course dealing with the theory and practice of legislation in the United States, with a comparative study of law-making in the governments of other countries.

s241. INTERNATIONAL LAW. Credit, 2½ quarter hours.

First term. Professor Frazer. Hour by arrangement.

The materials of international law will be examined. Leading cases, treaties, and international legislative acts constitute the subjects of study.

s311. SEMINAR IN AMERICAN POLITICAL THEORIES. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Robson. Second term: Professor Pierson. Hour: to be arranged.

A seminar course respecting the political philosophy that has been developed in the United States.

PSYCHOLOGY

Courses for Undergraduates

s24. GENERAL PSYCHOLOGY. (First half.) Credit, 6 quarter hours.

First term. Mr. Bayroff. Laboratory fee, $4.00. Hours: 8:00 and 10:00 daily. New West 101.

The essential phenomena of human nature with emphasis upon the experimental method of approach. Lectures, demonstration, experiments. Identical with the first half of Psychology 21-22-23 as offered during the regular school year. Eight lecture and eight laboratory and demonstration hours a week.

s25. GENERAL PSYCHOLOGY. (Second half.) Credit, 6 quarter hours.

Second term. Mr. Bayroff. Laboratory fee, 4.00. Hours: 8:00 and 10:00 daily. New West 101.

Continuation of Psychology s24, with similar hours, etc.

Courses for Graduates and Advanced Undergraduates

s104a. ADVANCED GENERAL PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Professor Crane. Hour: 9:00 daily. New West 207.

A systematic but critical survey of the general field, with emphasis upon the very latest research methods and results.

s104. ADVANCED GENERAL PSYCHOLOGY. Credit, 5 quarter hours.

Second term. Professor Dashiell. Hours: 9:00 to 11:00 daily. New West 207.

A systematic but critical survey of the general field, with emphasis upon the very latest research methods and results.

s140. PSYCHOLOGY OF PERSONALITY. Credit, 5 quarter hours.

First term. Professor Bagby. Hours: 9:00 to 11:00 daily. New West 101.

This course is a consideration of certain of the factors upon which the

quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retaining the various types of emotional reactions.

s144. MENTAL HYGIENE. Credit, 5 quarter hours.
First term. Professor Crane. Hours: 10:00 to 12:00 daily. New West 102.

Courses for Graduates

s201a. ADVANCED EXPERIMENTAL PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Professor Dashiell and Mr. Bayroff. Hour: 2:00 daily. New West 207.

A training course in the technique of psychology experimentation and research, to acquaint the advanced student both with methods and with typical forms of apparatus.

s201b. ADVANCED EXPERIMENTAL PSYCHOLOGY. Credit, 2½ quarter hours.

Second term. Professor Dashiell and Mr. Bayroff. Hour: 11:00 daily. New West 207.

A continuation of s201a.

s202a. RESEARCH IN PSYCHOLOGY. Credit, 2½ quarter hours.

First term. Members of the staff. Hours to be arranged.

Assistance and advice will be available to students wishing to conduct experimental investigations on individual lines.

s202b. RESEARCH IN PSYCHOLOGY. Credit, 2½ quarter hours.

Second term. Members of the staff. Hours to be arranged.

Same as above.

DIVISION OF PUBLIC WELFARE AND SOCIAL WORK

Courses for Graduates and Advanced Undergraduates

s160a. INTRODUCTION TO SOCIAL WORK. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 8:00 daily. Alumni 107.

Essentially a pre-professional course for social work students, giving a bird's-eye view of the whole field of social work, with a brief discussion of its history, nature, purpose, scope, and present trends. Primary emphasis is placed upon methods of treatment of the socially maladjusted, such as the aged poor, the physically handicapped, those suffering from mental disease or deficiency, the delinquent, and the criminal. Special clinics and institutional visits are arranged to supplement classroom work.

s161ab. THE FAMILY. See Sociology 161ab.

s173a. PLAY AND RECREATION. See Sociology s173a.

Courses for Graduates

s208a. METHODS IN SOCIAL RESEARCH. See Sociology s208a.

s263a. PUBLIC ASSISTANCE. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 12:00 daily. Alumni 107.

A study of public relief to the poor and other handicapped groups, including the National Social Security Act.

s264ab. FAMILY CASE WORK. Credit, 2½ or 5 quarter hours.

Through both terms. Professor ..... Hour: 9:00 daily. Alumni 109.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach-methods of investigation, interviewing, social evidence, sources, diagnosis, treatment.

s265ab. ADVANCED FAMILY CASE WORK. Credit, 2½ or 5 quarter hours.

Through both terms. Professor ..... Hour: 11:00 daily. Alumni 109.

A continuation of s264, with more intensive study of case work.

s266ab. RESOURCES FOR TREATMENT. Credit, 2½ or 5 quarter hours.

Through both terms. Mr. Lawrence. Hour: 8:00 daily. Alumni 109.

Discussion of resources for treatment in case work with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for the treatment of various types of cases, the particular social legislation involved, plus the actual working procedure necessary for effective work in the field.

s267ab. CASE WORK PRACTICE. Credit, 2½ or 5 quarter hours.

Through both terms. Mr. Lawrence. Hour: Tuesday and Thursday, 2:00 to 4:00. Alumni 109.

A seminar in case work. Conferences, office work, field work with cases.

s270a. PUBLIC WELFARE ADMINISTRATION. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 10:00 daily. Alumni 109.

The organization of Public Welfare in the United States and a detailed study of the North Carolina Plan.

s269ab. SOCIAL WORK ADMINISTRATION. Credit, 5 quarter hours.

Second term. Professor Jocher. Hours: 10:00 and 12:00 daily. Alumni 109.

An analysis of the administration of social agencies, both public and private. Emphasis is placed upon recent trends and developments in this field as indicated by changing terminology and practices; increased expenditures; the new alignment of public and private agencies; advancing professional standards; the growing importance of office organization and management, including personnel, improved techniques and procedures, and the preparation and keeping of records. The administration of agencies in rural areas and in small towns is given special attention. Course is offered to meet the growing demand for trained executives in social work .

s299a. PUBLIC CARE OF CHILDREN. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 10:00 daily. Alumni 211.

Methods and techniques of treatment by public social agencies of dependent and neglected children, defective children, those in employment, etc. Public responsibility for the welfare of children in general from the standpoint of education, health, maintenance. State systems of child welfare.

NOTE: Other courses of interest to social work students will be found under the departments of Economics, Political Science, Phychology, Rural Social-Economics, and Sociology.

The social work student should arrange, if possible, to attend both terms.

ROMANCE LANGUAGES

French

Courses for Undergraduates

*s3. INTERMEDIATE FRENCH. Credit, 3 quarter hours.

First term. Mr. Carroll. Hours: 8:00 and 12:00 daily, (including Saturdays). Murphey 301.

**s21-22. ADVANCED FRENCH. Credit, 10 quarter hours.

Through both terms. First term: Mr. Smith. Second term: Dr. Linker. Hours: 9:00 and 11:00 daily. Murphey 301. Prerequisite, Intermediate French.

A survey of French literature with selected readings from representative authors.

Courses for Graduates and Advanced Undergraduates

s115. FRENCH LYRIC POETRY. Credit, 5 quarter hours.

First term. Professor Huse. Hours: 9:00 to 11:00 daily. Murphey 303. Prerequisite, French 23.

s145. FRENCH PHONETICS. Credit, 5 quarter hours.

Through both terms. First term: Professor Huse. Second term: Professor Merrill. Hour: 11:00 daily, Murphey 303. Prerequisite, French 23.

Courses for Graduates

s222. OLD FRENCH. Credit, 5 quarter hours.

Second term. Professor Holmes. Hours to be arranged. Murphey 302.

s265. FRENCH LITERATURE OF THE RENAISSANCE. Credit, 5 quarter hours.

Through both terms. First term: Professor Holmes. Second term: Professor Merrill. Hour: 10:00 daily. Murphey 301.

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. Members of the Department. Hours to be arranged.

Research in a special field under the direction of a member of the department.

Italian

Course for Graduates

s221. OLD ITALIAN. Credit, 5 quarter hours.

Through both terms. Professor Holmes. Hour: 9:00 daily. Murphey 306.

Spanish

Courses for Undergraduates

*s3. INTERMEDIATE SPANISH. Credit, 3 quarter hours.

First term. Mr. Hayes. Hours: 8:00 and 12:00 daily, including Saturdays. Murphey 308.

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* These are the third parts of French 1-2-3 and Spanish 1-2-3 respectively as given in the regular session.

** If a student takes this course for only one term of the Summer Session, he must take French 22 and French 23 in the regular session or French s22 in some later summer term, in order to fulfill the requirement of Advanced French.

*s21-22. ADVANCED SPANISH. Credit, 10 quarter hours.

Through both terms. First term: Professor Stoudemire. Second term: Mr. Weaver. Hours: 9:00 and 11:00 daily. Murphey 308. Prerequisite, Intermediate Spanish.

Courses for Graduates and Advanced Undergraduates

s111. MODERN SPANISH NOVELISTS. Credit, 5 quarter hours.

Through both terms. Professor Boggs. Hour: 9:00 daily. Murphey 310. Prerequisite, Spanish 23.

s145. SPANISH PHONETICS. Credit, 5 quarter hours.

Through both terms. Professor Boggs. Hour: 11:00 daily. Murphey 310 Prerequisite, Spanish 23.

Courses for Graduates

s221. OLD SPANISH. Credit, 5 quarter hours.

Through both terms. Professor Boggs. Hour: 12:00 daily. Murphey 310.

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. Members of the Department. Hours to be arranged.

Research in a special field under the direction of a member of the department.

RURAL SOCIAL-ECONOMICS

Courses for Undergraduates

s51. RURAL ECONOMICS. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 9:00 daily.

A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South.

s53. HISTORY OF AGRICULTURE AND RURAL LIFE. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 9:00 daily.

This course traces the development of agriculture from its earliest beginnings to the present: earliest beginnings; Greece and Rome; later agriculture in Europe; American agriculture.

s71. RURAL SOCIOLOGY. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 11:00 daily.

Introduction to rural sociology, with some emphasis on rural social conditions and problems in North Carolina and the South.

Courses for Graduates and Advanced Undergraduates

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 10:00 daily.

This course is designed to familiarize the student with North Carolina: natural resources, population, agriculture, social conditions, economic conditions, industry, wealth, taxation, education, public health, and public welfare.

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* If a student takes this course for only one term of the Summer Session, he must take Spanish 22 and Spanish 23 in the regular session or Spanish s22 in some later summer term in order to fulfil the requirements of Advanced Spanish.

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs: 10:00 daily.
Same as above.

s101b. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 11:00 daily.
This course is the continuation of 101a and may be taken by any student who has previously taken the first half of this course, either in residence or Extension, and by those registered for s101a, second term.

Course for Graduates

s311. RURAL SOCIOLOGY. Credit, 5 quarter hours.

Reading and Research. Through both terms. Professor Hobbs. Hours: to be arranged.

SOCIOLOGY

Courses for Undergraduates

s51ab. INTRODUCTION TO SOCIOLOGY. Credit, 5 quarter hours.

Second term. Professor Yoder. Hours: 8:00 and 10:00 daily. Alumni 107.
A study of social origins, contemporary society, geographical, biological, and psychological forces in society, and the elements of social theory.

s52ab. SOCIAL PROBLEMS. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Meyer. Hour: 11:00 daily. Alumni 107.
A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. A study of such questions as race, immigration, the family, and the community.

Courses for Graduates and Advanced Undergraduates

s152a. SOCIAL THEORY. Credit, 2½ quarter hours.

First term. Professor Krueger. Hour: 10:00 daily. Alumni 107.
A survey of the range of contemporary social theory with preliminary consideration of its historical background.

s155a. SOCIAL PROGRESS AND SOCIAL VALUES. Credit, 2½ quarter hours.

Second term. Professor Yoder. Hour: 12:00 daily. Alumni 107.
Theories and philosophy of social progress—Social trends and social change—Objective measurement of social change, of social progress and regress—Measurement of social forces—Social achievement as the framework upon which to measure human progress—Application of sociological measures to democracy—to "Americanism."

s161ab. THE FAMILY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Groves. Hour: 9:00 daily. New East 112.
The history, purpose and problems of the family with special attention to social conditions influencing family life and efforts for family conservation. Open to both men and women. s161b may be taken by students in the second term without having had s161a.

s173a. PLAY AND RECREATION. Credit, 2½ quarter hours.

Second term. Professor Meyer. Hour: 10:00 daily. Alumni 110.
The theories of play, play activities, attitudes, history of the play movement, play leadership, programs, values, sex and age differences, classification of movements, application to community life.

s175a. EXTRA-CURRICULAR ACTIVITIES. Credit, 2½ quarter hours.

First term. Professor Meyer. Hour: 10:00 daily. Alumni 110.

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials.

Courses for Graduates

s208a. METHODS IN SOCIAL RESEARCH. Credit, 2½ quarter hours.

First term. Professor Odum. Hour: Monday and Wednesday, 4:00. Alumni 110.

Outlines of social research including the spirit of scientific research, social research, and the new alignment of the social sciences; the historical approach to the social sciences; the qualifications of the social research specialist; the divisions and general methods of social science; types of method and approach: the statistical, the survey, the experimental, the case, the biological, the psychological, the anthropological or comparative, the historical. The range of general sources, research agencies, the groups, reading and bibliography as tools, the utilization of notes and records, schedules, questionnaires, and forms, common sense technique, preparation of manuscript and publication, examples of social research, and bibliographies.

s209ab. REGIONAL PROBLEMS AND PLANNING. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Odum. Hour: Tuesday and Thursday, 4:00. Alumni 110.

The historical and theoretical meaning of regions—Sustentation areas—Geographic and cultural—The development of regionalism in America—Economic, industrial, literary, geographic, commercial, administrative—Sociological significance of regionalism in social analysis—in the fundamentals of democracy—Historical development of social planning—Development of social planning in America—Recent special developments in national and state planning —Societal significance of planning—Special studies of a six-fold division of American Regions.

s210a. FOLK SOCIOLOGY. Credit, 2½ quarter hours.

First term. Professor Krueger. Hour: Monday and Wednesday, 2:00. Alumni 107.

A study of folk-regional society and of natural societal evolution in contrast to modern technology. The primary basis of the course will be concrete materials related to folk attitudes and cultures, ranging from primitive folklore and folk wisdom to regional culture patterns. The chief objective is an attempt to seek certain contributions to social theory as related to the building of cultures.

s212a. CONTEMPORARY AMERICAN SOCIOLOGISTS. Credit, 2½ quarter hours.

Second term. Professor Odum. Hour: Monday and Wednesday, 4:00. Alumni 110.

This course will present a general survey of the work and personalities of living American sociologists projected on the background of the sociology of Franklin Henry Giddings.

ZOÖLOGY

Courses for Undergraduates

s41. FUNDAMENTALS OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

First term. Professor Reynolds and Assistant. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily (including Saturdays), and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F. Davie.

Principles of Biology; elements of anatomy and physiology of vertebrate animals and studies of tissues, as necessary for an understanding of the organization and functioning of vertebrate animals and especially man.

s42. PRINCIPLES OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

Second term. Mr. Culbertson and Assistant. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily (including Saturdays), and Monday 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F. Davie.

Basic facts and theories of individual development, heredity and evolution; introduction to structure and classification of invertebrate animals; one or two field trips for observing and collecting animals in nature.

Courses for Graduates and Advanced Undergraduates

s103. COMPARATIVE ANATOMY OF VERTEBRATE ANIMALS. Credit, 5 quarter hours.

First term. Mr. Culbertson. Laboratory fee, $7.50. Hours: two consecutive forenoon hours, to be arranged between instructor and students, and 2:00-4:00 daily. Davie.

Dissection of types, especially amphioxus, petromyzon, fish, fowl, rabbit.

s104. EMBRYOLOGY. Credit, 5 quarter hours.

Second term. Professor Churchill. Laboratory fee, $5.00. Hours: two consecutive forenoon hours, to be arranged between instructor and students, and 2:00-4:00 daily. Davie.

PART III—SPECIAL FEATURES

In addition to the courses of instruction announced in Part II of this Bulletin the Summer Session of 1937 will sponsor a general program of entertainment, recreation, lectures, and conferences. These special features can not be announced in complete detail at this time. More specific announcements concerning them will be given from week to week. Some of these attractions for which preliminary arrangements have been made are as follows:

A program of social activities and week-end dances will be conducted by the Social Committee.

The Department of Music will put on a series of faculty and student recitals.

Carolina Playmakers

The Carolina Playmakers as in previous summers will present a play in their beautiful little Playmakers Theatre on the University campus or in the Forest Theater in Battle Park adjoining the campus. Summer school students interested in dramatics will have an opportunity to take part in this production as actors and also in designing and construction of the scenery, costuming, lighting and make-up of the production. The play to be presented and the dates on which it will be given will be announced later.

Course on Marriage and the Family (July 5-9)

In response to a growing interest in the development of instruction designed to give preparation for marriage, Professor Ernest R. Groves will have charge of a one week's course in the methodology of teaching courses dealing with the problems of marriage and the family. This course is open to men and women who are graduates of colleges or schools of medicine, law, or theology, and who already are giving or are preparing to give courses in marriage and the family. In connection with it a series of evening lectures is being planned to be given by specialists who professionally deal with problems related to marriage. Correspondence regarding it should be addressed to R. M. Grumman, Extension Division, Chapel Hill, N. C.

Institute on Public Welfare

Among the special features for the Summer School may be listed the summer Institute on Public Welfare under the joint auspices of the State Board of Charities and the Public Welfare and the Social Work Division of the University of North Carolina. This annual institute has been held since 1920 and brings together a large number of social workers, superintendents of public welfare, and visiting specialists.

Short Course in Nursing Education

In coöperation with the North Carolina State Nurses Association, the Extension Division will conduct a Short Course in Nursing Education for graduate nurses, at Chapel Hill July 26-August 7, 1937. The course will include lectures on both professional and cultural subjects of interest to registered nurses. Inquiries concerning the course should be addressed to R. M. Grumman, Director, University Extension Division, Chapel Hill, N. C.

Tenth Annual Parent-Teacher Institute (August 9-13)

The Extension Division, in coöperation with the North Carolina Congress of Parents and Teachers, will hold at Chapel Hill during the period August 9-13, inclusive, the tenth annual Parent-Teacher Institute. Summer Session students are invited to attend and may secure information from R. M. Grumman, 307 South Building, Chapel Hill, N. C.

Sixteenth Annual Coaching School For Athletic Directors and Coaches (August 16-28)

The sixteenth annual coaching school for athletic directors and coaches will be conducted at Chapel Hill from August 16 until August 28. Instruction will be given in the coaching of football, basketball, baseball, track, boxing, and wrestling, and in training and conditioning. Robert A. Fetzer, Director of Athletics at the University of North Carolina, will serve as director of the school and the various members of the University's regular coaching staff will serve as instructors. Information concerning the school may be secured from E. R. Rankin, Secretary, 309 South Building.

Conference on Public Education (June 23-24-25)

During the summer of 1937 a Conference on Public Education, sponsored by all divisions of the University of North Carolina, will be conducted at Chapel Hill. This will be a three-day conference, consisting of general sessions and group meetings. Every effort will be made to keep the discussions as practical as possible. They will be directed largely by people from the fields.

The State Department of Education will coöperate in making this a prominent event during the Summer Session. The State Superintendent will hold conferences with all Superintendents of administrative units during this period and special conferences will be conducted for Principals. The theme of the Conference will be "Taking Stock and Looking Ahead." The dates of the conference will be June 23-24-25. Comfortable and inexpensive accommodations will be available for all who come. There will be no registration fee.

Campus Life Program

The program of Campus Attractions is the product of the Summer Social Committee, Music Department, Graham Memorial (Student Union), Carolina Playmakers, Athletic Association, Extension Division, Bull's Head (Book Shop), and numerous individuals. The Summer Social Committee, with offices in the YMCA building, is the coördinating and promoting committee for the attractions program. An effort is made to meet the cultural, spiritual, social, and recreational needs of all types of personalities in the Summer Session.

The YMCA building with its lounges and committee rooms, information office, self-help office, book store, 'phone service, etc., is the center of program promotion. Graham Memorial (the Student Union) with its parlors, social halls, billiard parlor, bowling alleys, and other games equipment is the social center of the campus. Both of these centers are staffed with full-time secretaries whose business is to serve the personal and group needs of the summer students and their friends.

Among the facilities for recreation students will find the gymnasium, billiards, bowling, shuffle board, ping-pong, checkers, chess, bridge, tennis, swimming, base ball, soft ball, horse shoes, horse-back riding, and miles of wooded trails for walking. For the entertainment of students there will be many teas and parties—large and small, formal and informal—numerous public attractions, two or more dances each week, constant use of Graham Memorial parlors for informal gatherings and the weekly amateur program, out-door parties, Sunday evening concerts in the Stadium, and, in addition, there is in the village the state's most up-to-date movie theater with five shows daily.

The cultural and educational program presents numerous musical concerts and recitals by both local and professional artists, frequent dramatic performances by the Carolina Playmakers and professional talent, a series of conferences and institutes on social and economic topics, and a schedule of informal lectures throughout the summer in such fields as World, National, and State Affairs, Literature, Drama, Music, Art, Philosophy, Psychology, Sociology and Economics, Government, and Religion.

To serve the religious needs and interests of the the University community there is a daily vesper service of song, reading, and prayer on the campus, excepting Saturdays and Sundays. In the village are seven organized religious denominations—Baptist, Catholic, Episcopal, Jewish, Methodist, Presbyterian, and United (Christian-Congregational)—wth their customary weekly program of services and other features.

This program of campus and community life is set up primarily with respect to the tastes and needs of students in the Summer Session. Students play a prominent part in the selection of talent and determi-

nation of the nature of programs. There is a special committee of students in each dormitory for this purpose.

It is also called to the attention of students that Student Self-government plays an important role in the life of the Summer Session. In the opening week of school there will be organized a Men's Council and a Woman's Council, and matters of discipline rest almost exclusively with these two Councils.

A calendar of daily events will be published before the first term opens, showing the schedule of public attractions which have been planned to meet the personal and individual needs of the student body and faculty.

Special Announcements in Music

All-State High School Music Course

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the first term of the summer session, from June 10th to July 21st, an All-State High School Music course which will be open to all high school band and orchestra players.

In addition to daily rehearsals of the All-State High School Band and Orchestra, students will be enrolled in music theory and appreciation classes and will also receive individual lessons and training in ensemble. Concerts, recitals, sports, and social recreation complete the list of activities which are planned and supervised by a competent and experienced staff.

Enrollment is open to any high school student or graduate of the current year upon recommendation of his school superintendent and music supervisor. Membership is not contingent upon participation in music contests, although special attainments in any field are taken into account in the selection of members.

The details of the living arrangement and recreational activities will be planned and supervised by the Dean of Students, the Adviser to Women, the University Y. M. C. A., and the Department of Physical Education. The cost of the complete All-State Music Course has been reduced to the absolute minimum and a single fee of fifty-five dollars ($55.00) covers board, room, and tuition for the six weeks course.

Courses will be offered for music supervisors and teachers having to do with the organization and direction of high school bands and orchestras. See especially the courses Music s4, s14, s71, sF, and Education s179a. Professor Slocum will be in general charge of the project. The staff will include Dr. Glen Haydon, Head of the Department of Music, U. of N. C.; Walter H. Bloch, Supervisor of Instrumental Music, Flint Public Schools, Flint, Michigan; J. Harris Mitchell, Supervisor of Instrumental Music, Durham Public Schools, Durham, N. C.; Herbert R. Hazelman, Supervisor of Instrumental Music,

Greensboro Public Schools, Greensboro, N. C.; Elizabeth Wilson Mitchell, Instrumental Teacher, Durham Public Schools, Durham, N. C.; Albin Pikutis, Graduate Student, Music Department, University of North Carolina; and Charles S. Miller, Graduate Student, Music Department, University of North Carolina.

School officials receiving this announcement are invited to recommend several outstanding students in each of the special fields of band and orchestra for membership in the 1937 All-State High School Music Organization. Recommendations or inquiries should be addressed to the Extension Division, The University of North Carolina, Chapel Hill, N. C.

Teachers' Training Course in Creative Music Materials and Methods

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the second term of the summer session from July 22 to August 28 a teachers' training course in Creative Music Materials and Methods for Children. This course, which will be given under the direction of Mrs. Adeline McCall, is primarily designed for private teachers of music. It will be devoted to the study of the teaching of music fundamentals for children of all ages, beginning with the pre-school group. It will cover such subjects as teaching materials, bibliography, individual and class piano methods, rhythmics, songs, rhythm band, ensemble playing, conducting, and creative work. There will be round-table discussions, individual conferences, and special demonstration classes of children. Students will have the privilege of observing these classes and of doing experimental teaching under supervision. Registration fee—$18.00. (This course is open to regular summer session students at the usual course fee—$6.75.) In connection with this work, free instruction will be available to a limited number of pupils of pre-school age, 4 to 6 years, and older children, 6 to 14 years. Application for admission should be made as early as possible.

Material in this course will be organized so that those who are unable to attend for the six weeks period may take one or two shorter courses of two weeks each. There will be two of these—one from July 22 to August 4, the other from August 5 to August 18. The first course will be devoted to pre-school materials and methods, the second to materials and methods for older children. Fee for one special section—$10.00, for two sections—$15.00.

For further details write for the special announcement. Address all communications to the Extension Division, University of North Carolina, Chapel Hill, N. C.

Summer Session Chorus

A special feature of the second term of the Summer Session will be the chorus which will meet daily at 5:00 P. M. for an hour of informal singing under the leadership of John E. Toms, Assistant Professor of Music in the University of North Carolina, and Director of the Glee Clubs and the Chapel Hill Choral Club.

Organ and Vocal Recitals

During the second term there will be a series of organ recitals by Professor Jan Philip Schinhan and vocal recitals by Professor John E. Toms.

The North Carolina Bankers' Conference

The first State-wide conference for bankers will be held in Chapel Hill during the week of July 12-17 under the sponsorship of the North Carolina Bankers Association, the State Department of Banking, and the University of North Carolina. A program centering around problems of bank administration is being developed. Announcements of the subject matter and personnel will be made later.

Art

The University of North Carolina will offer a studio course in drawing and painting throughout the entire Summer Session. Professor August Cook of Converse College, a graduate of the Philadelphia Academy of Fine Arts and the holder of the Cresson traveling scholarship from that institution, will conduct the course. Those who are taking other work in the Summer Session may take this course, provided their schedules will permit. The extra fee for such students will be $10.00 for each term of six weeks. Those students who are not otherwise registered for Summer Session work will pay a fee of $15.00 for each term of six weeks. Board and room may be obtained in the residence halls or in the village at reasonable rates. Hours are to be arranged with the Instructor. The work will be conducted in Person Hall, which has been converted into an Art Gallery and Studio. Studio materials may be purchased in the Studio Store.

THE WOMAN'S COLLEGE
OF
THE UNIVERSITY OF NORTH CAROLINA
GREENSBORO, N. C.

JUNE 9 TO JULY 17, 1937

A second Summer Session has been requested and approved by the President and the Summer Session Council. If granted, it will begin immediately after the close of the first session.

The chief purpose of the Summer Session is to serve students and teachers of North Carolina to the greatest possible extent at the least possible cost.

Distinctive features of the Summer Session at the Woman's College are:

1. Courses in elementary and high school education.
2. Graduate work in Home Economics and Business Education.
3. New courses in Art.
4. Regular and special courses in Music.
5. Observation and Nursery School.
6. Conferences in Home Economics, Education, and Art.
7. Placement service without charge.
8. Social and recreational program under trained leadership.

Courses will be offered for college students who wish to advance their standing or make up work.

Expenses are as follows:

Fees and charges	$20.00
Board, room, and laundry	33.00
	$53.00

For further information write:

Dean W. C. JACKSON,
The Woman's College,
Greensboro, N. C.

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING

OF THE

UNIVERSITY OF NORTH CAROLINA

Raleigh

Summer Session

June 14—July 23, 1937

The twenty-third summer session of North Carolina State College of Agriculture and Engineering of the University of North Carolina will open on Monday, June 14, and close on Friday, July 23.

The distinctive work of the State College Summer Session will be Agricultural, Engineering, Forestry, Textile, and Vocational Education. Many of the courses of instruction in the fields of languages, pure science, and humanities, which are prerequisites for courses in technology, will also be offered. The emphasis, however, will be placed upon instruction in technical fields.

Expenses

Room Rent (single room)	$10.00
Room Rent (two in a room)	7.50
Board at College Cafeteria (estimated)	30.00
Registration fee	3.00
Course fee (for each quarter hour credit)	3.00
Medical fee	1.00

For summer session catalogue and additional information, write:

W. L. Mayer, *Director of Registration*
North Carolina State College
Raleigh, N. C.